April 1923 Summer School Bulletin No. 2 Number 201

THE UNIVERSITY OF NORTH CAROLINA RECORD

ANNOUNCEMENT OF THE THIRTY-SIXTH SESSION

OF THE

SUMMER SCHOOL

First Term: June 18-July 28
Second Term: July 27-Sept. 7

1923

THE UNIVERSITY OF NORTH CAROLINA PRESS
Issued eight times a year from October to July
Entered as Second-class Matter at the Postoffice at
CHAPEL HILL, N. C.

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Table of Contents

PAGE

Calendar 4
Important Suggestions 5
Officers of Administration 6
Other Officials 7
Chaperons in Charge of Dormitories 8
Staff of Instruction 9

PART I

General Information 16

PART II

College Courses 33
Accounting 33
Chemistry 34
Commerce 35
Economics 36
Education 38
English 44
French 64
Geography 47
Geology 48
German 49
Greek 51
History and Government 51
Latin 54
Library Science 56
Mathematics 56
Music 59
Physics 61
Psychology 62
Rural Social Economics 68
Sociology 69
Spanish 66

PART III

Normal School Courses 72
Suggested Curricula for Summer School 73
Drawing (See under School Arts) 81
Education 75
English 78
Geography 79
History 79
Mathematics 80
Physical Education 80
Writing 83

PART IV

Special Features 84

Calendar

First Term

June 18-19, *Monday and Tuesday*—Registration days.
June 20, *Wednesday*—Instruction begins in all departments.
June 22, *Friday*—General Meeting, 8 p. m. Public exercises in Memorial Hall.
June 23, *Saturday*—Regular classes.
Reception to students, Bynum Gymnasium, 8:30 p. m.
July 4, *Wednesday*—Holiday—Patriotic celebration.
July 26, *Thursday*—Class Instruction ends at 6:00 p. m.
July 27-28, *Friday and Saturday*—Examinations.

Second Term

July 27-28, *Friday and Saturday*—Registration days.
July 30, *Monday*—Instruction begins in all departments.
Sept. 5, *Wednesday*—Class instruction ends at 6:00 p. m.
Sept. 6-7, *Thursday and Friday*—Examinations.

Detailed announcements of lectures, conferences, and entertainments will be issued weekly while the Summer School is in session.

1923

JUNE

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

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29	30	31				

AUGUST

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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Important Suggestions

1. Have your room reserved in advance.

2. Urge your room-mate to make reservation promptly; otherwise the management will have to assign someone to the room with you.

3. Before leaving home mark your trunk plainly, putting your own name on it and the name of the dormitory to which you have been assigned, and have it checked to Chapel Hill, N. C. If you make your reservation for the first term before June 1st, or for the second term before July 15, a printed card giving your Chapel Hill address (room number and name of dormitory) and a baggage check will be sent to you. This card attached to your trunk or baggage will insure its prompt delivery without expense, provided you DELIVER THE CHECK TO THE UNIVERSITY SUMMER SCHOOL'S OFFICIAL REPRESENTATIVE AT UNIVERSITY STATION.

4. Be sure to provide yourself with the necessary articles which you are expected to bring; bed linen, pillows, towels, etc.

5. If convenient for you to do so, confer with your superintendent or principal and get his advice as to the courses you should pursue in the Summer School.

6. Do not plan too much. Fifteen hours of class work a week is a reasonable amount to attempt. More than 20 hours will not be allowed.

7. Decide before coming that you will stay the full term. No credit will be given for a shorter period.

8. Be present for the first roll-call. The person who begins his work a day or two late is obliged to labor under a handicap. Work will start promptly as scheduled, and the pace will be brisk.

9. If you wish to pursue in the Summer School courses counting for University credit, you should make application for such courses in advance. Registration for such courses for the first term will not be allowed after Monday, June 25th, nor for the second term after Wednesday, August 1st.

10. Please note that certain courses will not be given unless applied for in advance.

11. If, after examining this bulletin carefully, there is further information you desire, address N. W. Walker, Director of the Summer School, Chapel Hill, N. C.

Officers Of Administration

HARRY WOODBURN CHASE, Ph.D., LL.D., President of the University.

NATHAN WILSON WALKER, A.B., Ed.M., Director of the Summer School and Acting Dean of the School of Education.

CHARLES THOMAS WOOLLEN, Business Manager.

JULIUS ALGERNON WARREN, Treasurer and Bursar.

THOMAS JAMES WILSON, JR., Ph.D., Registrar.

GEORGE KENNETH GRANT HENRY, Ph.D., Assistant Registrar.

EDWIN GREENLAW, Ph.D., Dean of the Graduate School.

JAMES FINCH ROYSTER, Ph.D., Dean of the College of Liberal Arts.

ANDREW HENRY PATTERSON, A.M., Dean of the School of Applied Science.

DUDLEY DEWITT CARROLL, M.A., Dean of the School of Commerce.

*LUCIUS POLK MCGEHEE, A.B., Dean of the School of Law.

*GUSTAVE MAURICE BRAUNE, C.E., Dean of the School of Engineering.

HOWARD WASHINGTON ODUM, Ph.D., Director of the School of Public Welfare.

FRANCIS BRADSHAW, A.B., Dean of Students and Chairman of the Committee on Social Activities.

MRS. LOUISE COFFEY PICKARD, Secretary to the Director of the Summer School.

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* The summer sessions of the School of Law and the School of Engineering are operated independently of the Summer School. A student desiring information about either of these schools should communicate directly with the Dean of the school in which he is interested.

Other Officials

The Library: Louis Round Wilson, Ph.D., Librarian; Charles Melville Baker, A.M., B.L.S., Assistant Librarian.

The Infirmary: Eric Alonzo Abernethy, S.B., M.D., Physician; Flora M. Rice, R.N., Head Nurse; Edna Gray Womack, R.N., Assistant Nurse.

The Gymnasium: Robert Baker Lawson, M.D., Director.

Young Men's Christian Association: Harry Fletcher Comer, B.S., General Secretary.

Young Women's Christian Association: Caroline Sclater, Secretary.

Teachers' Bureau: Emmett E. Sams, Ph.B., Secretary; Lillian Long, Assistant Secretary.

Normal Instruction: Isaac Cebern Griffin, Supervisor.

Demonstration School: Fred Wilson Morrison, A.M., Superintendent.

Buildings and Grounds: George C. Pickard, Superintendent of Grounds; P. L. Burch, Superintendent of Buildings.

CHAPERONES IN CHARGE OF DORMITORIES

Mrs. R. L. Hoke, Battle-Vance-Pettigrew Building.

Miss Allie Cothran, Russell Inn and Roberson House.

Mrs. C. R. Hinshaw, Smith Building.

Mrs. Harvey Boney, Old East Building.

Mrs. M. A. Fryer, Old West Building.

Mrs. G. L. Sawyer, South Building.

Mrs. C. U. Williams, Carr Building.

Mrs. A. A. Pickard, Steele Building.

Mrs. R. L. Fritz, Jr., Ruffin Building.

Mrs. L. M. Upchurch, Mangum Building.

Mrs. C. H. Weatherly, Manly Building.

Mrs. W. W. Rogers, Grimes Building.

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Coker College

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Historical Note

The old "Summer Normal" at the University was a pioneer in the summer school field. It was established in 1877 by Dr. Kemp P. Battle, and it seems to have been the first of its kind in America. It ran for eight years, and enrolled 2,480 teachers and students. It suspended in 1884.

Revived in 1894, the Summer School ran eleven years during its second period of usefulness, until 1904, when it was again suspended. During this period 1,541 teachers and students were enrolled.

It was revived again in 1907. It has continued to grow and prosper ever since, despite the World War, and notwithstanding the fact that several other summer schools have been organized in other parts of the State. There were 1,147 students in attendance in 1920, 1,090 in 1921 (after two lower departments had been abandoned), and in 1922 the number enrolled reached 1,348. In 1923 the Summer School will be able to accommodate 1,800 or 2,000, and plans are laid to take care of that number.

Part I—General Information

The Summer Session: June 18-September 7

The thirty-sixth session of the University Summer School will open on Monday, June 18, and continue for twelve weeks, closing on Friday, September 7. The session will be divided into two terms of six weeks each. The first term will begin on Monday, June 18, and close on Saturday, July 28. The second term will begin on Friday, July 27 and close on Friday, September 7. Classes will hold their regularly scheduled meetings on Wednesday, Thursday, Friday, and Saturday of the opening week, but after that the school will be in session only five days each week, from Monday to Friday.

Registration

The regular time for registration for the first term will be Monday and Tuesday, June 18th and 19th. All students of the Summer School should try to be present and register on those days, as the regular class work will begin promptly at 8:00 on Wednesday morning, June 20th. There are certain preliminary arrangements to be made in the way of arranging courses, securing board and lodging, getting the necessary books, etc., all of which should be attended to, if possible, before class work begins. To be on hand promptly so as to begin with the regular class is far more satisfactory than to come in a day or two late.

Registration for the first term will not be permitted after Monday, June 25th.

Registration for the second term will not be permitted after Friday, August 3.

Those Who May Be Admitted

Registration in the Summer School will be limited to those applicants who can qualify for admission under one of the following provisions:

1. *Those who can satisfy the University's requirements for admission as given in the annual catalog.* The entrance requirements for admission to the University are fifteen units secured by graduation from a four-year accredited school. In order to be accepted as a candidate for a degree the student must meet the specific requirements laid down by the school or college in which that degree is conferred.

2. *Teachers holding regular state certificates.*

3. *Applicants for state certificates who have graduated from schools accredited by the State Department of Education.*

4. *Special students who are neither candidates for degrees nor applicants for state teachers' certificates* may be admitted under the University's general regulations covering such cases.

For Whom Courses Are Planned

Professional and Cultural Courses are planned for:

1. Teachers of Primary Grades.
2. Teachers of Grammar Grades.
3. High School Teachers and Principals.
4. Teachers of Special Subjects.
5. County and City Superintendents and Supervisors.
6. College and University students who desire to earn extra credit towards their degrees.
7. Graduate students, teachers and others wishing to pursue Professional and Cultural Courses leading to advanced degrees.
8. Librarians.

Courses in Education

For a list of College courses offered in the department of Education, see under Education, Part II of this bulletin.

For a list of the courses carrying Normal School credit only, see Part III of this bulletin.

These courses are designed to meet the needs of teachers and superintendents who are making an effort to fit themselves for better service, and for students who wish to pursue during the summer, college and university courses leading to the A.B. and A.M. degrees. To the earnest teacher or student who de-

sires to spend a part of the summer in serious, quiet study under the direction of competent instructors, excellent opportunities are offered.

Courses for University Credit

The Summer School is from year to year enlarging the scope of its work by opening other departments and offering additional courses, many of which count for credit towards the bachelor's and master's degrees. A description of these courses, together with a statement of the amount of credit given, is included in the statements made by the various departments. (See Part II of this Announcement).

Summer School Credits

One Summer School course for one term is the equivalent of one-half a course for a quarter of the regular college year. The credit allowances for courses in the Summer School is in proportion to the number of weekly meetings, a course meeting for five hours each week for one term counting for one half course, one meeting for ten hours a week for one term, for one course.

In no case will credit be given unless the student has been in regular attendance on the course during the whole of the term, and has completed satisfactorily the work of the course together with the final examination. Not more than the equivalent of two courses for a quarter of the regular session may be taken in one term of the Summer School. Students will not be allowed to register later than Monday, June 25th for the first term, or Friday August 3d for the second term.

The standard of work in courses given for University credit will be in all respects that of the corresponding courses as given during the regular session, as these courses are an integral part of the work of the University. It is the hope of the University that, by giving such courses, increased service may be rendered to the growing body of teachers in the State who have already completed college courses or done some work of college grade

and who desire while in service to improve themselves along both professional and cultural lines and at the same time receive formal recognition for their work.

Courses of Freshman and Sophomore grade will not be credited as graduate work. Courses of Junior and Senior grade if marked C. or G. in the statement of courses below, (See part II of this announcement), may be given such credit as indicated in the regulations below. Definite information about the different credits that certain courses carry can be obtained at the time of registration.

Admission to Undergraduate Courses

Applicants for admission to courses of Freshman grade must satisfy the requirements for entrance as laid down in the University catalogue. These requirements comprise a total of 15 units selected from the subjects of English, foreign languages (ancient and modern), history, mathematics and science. For details the applicant is referred to the University catalogue.

Applicants for courses of advanced standing must furnish evidence of work of college grade completed at this or another institution. Such evidence must consist of the official statement from the institution where the work was done, showing definitely the courses pursued and the amount of credit recorded. Admission to specific courses will be determined in each case by the department on the basis of previous preparation. In some instances the training in a branch of study derived from experience in teaching it will be taken into account.

Application for admission to undergraduate courses should be sent in advance to the Director of the Summer School. This application should be accompanied by certificates of preparation, or official statements from other institutions that the applicant has attended, and a list of the courses the applicant desires to pursue. Blanks for this purpose will be furnished on request.

The Graduate School

The Summer School offers excellent opportunities for carrying on advanced work in many fields of learning. Graduates of standard colleges are admitted to the Graduate School during the summer term on precisely the same basis as in the regular sessions. Such students may become candidates for advanced degrees or may register as special students in such courses as they desire.

Student who may wish to pursue in the Summer School courses leading to the Master's degree should, if possible, make application for such courses before June tenth and should send with their application a statement of their educational experience. This statement should include: (1) the name of the college from which the applicant has a bachelor's degree; (2) the time when the degree was taken; (3) the courses pursued; (4) teaching experience. The candidate must have a reading knowledge of French and German in case the professor in charge of his major work regards this as necessary for efficient work. In case he has not had sufficient training in certain departments to enable him to pursue strictly graduate courses, provision may be made in the Summer School for the making up of such deficiency.

No student will be allowed to carry during any one summer work which amounts to more than three courses toward the degree. The degree will in no case be conferred until the regular commencement next succeeding the summer session in which the work is completed.

1. *Admission.* Graduate students register in the office of the Dean of the Graduate School by filling out a form containing an abstract of their training and experience. Holders of degrees from standard colleges are admitted without examination upon presentation of their credentials. It will save time at registration if these credentials are submitted, and the application filled out, in advance of the opening of the Summer School. Blank forms may be had by writing to the Dean of the Graduate School.

Admission to the Graduate School is not the same as admission to candidacy for a higher degree. For admission to candidacy for a degree it is necessary for a student to have secured some credit here, such as study through one or more summers. Action on each case is postponed until the student has progressed sufficiently to make possible the planning of his course. This does not imply any increase in the length of time necessary for the attainment of the degree. It means simply that the individual record of each student, undergraduate as well as graduate, is taken into account in determining what must be done in order to secure the degree.

2. *Regulations as to Courses.* While graduate students may register for any of the courses offered by the Summer School Faculty, no courses will count for credit towards an advanced degree unless they are classified as graduate courses in this Bulletin or in the Bulletin of the Graduate School. These courses must be selected in accordance with the rules for major and minor subjects set forth in the catalogue issue of the Graduate Bulletin. In general, this means that two thirds of a candidate's work during his entire period of residence (three summers being the usual time required) must be from one department, the remaining one-third being from a closely allied minor department. These courses must be completed with distinction, by which is meant that at least half of the work offered by the candidate must be of grade B or better, and that no grade below C will count for graduate credit.

3. *Requirements for the Master's Degree.* For a detailed description of the requirements for the degrees of Master of Arts and Master of Science, the student is referred to the catalogue issue of the Graduate Bulletin. These rules are the same in their application to Summer School students as in the case of students registered for the regular sessions. Teachers of experience whose credentials and work are satisfactory to the Administrative Board may complete the requirements for the master's degree in three summer sessions. Such students will be expected to continue their studies during the year under the direction of the special committee in charge of their work, and

may do part of the work required for their theses in this manner. In certain approved cases, also, a limited amount of credit may be transferred for work done in another University Summer School. Every such case is treated individually, and must be approved by the Administrative Board, on recommendation of the Department of Major study, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find three and one-half or four summers necessary for the completion of the requirements for the Master's degree.

The thesis must be written in accordance with provisions stated in the *Graduate Bulletin*. It may count not to exceed two courses. This thesis may be handed in, and the final oral and written examinations may be taken, at any time during the year. Degrees are conferred only at the University Commencement in June.

4. *Further Information.* All students who purpose to do work leading to an advanced degree should read carefully the catalogue issue of the *Graduate Bulletin,* which will be sent on application to the Dean of the Graduate School.

Departmental Conferences

Throughout the session departmental conferences will be conducted for teachers of special subjects. These conferences will be held once or twice a week and will be conducted by the heads of the several departments. The discussions will supplement the lectures given in certain courses. The attendance will not be restricted to those who register for such courses. The English conference will be open to all those who wish to attend; the Latin conference, to all teachers of Latin; and so on for the conferences in the other departments. It is the purpose of these conferences to aid teachers in the practical problems of their work by informal discussions of such topics as the recitation, the course of study, the place of the subject in the curriculum, the use of material, etc.

Summer School Certificates and Professional Credits

At the close of each term regular examinations will be held, and certificates will be issued to those who pass satisfactory examinations on the courses pursued. These certificates state definitely the courses pursued and the grades attained.

Records of all students desiring professional credit with the State Department of Education will be sent to the Director of Certification immediately after close of each term of the Summer School, provided record cards, furnished for this purpose by the State Department of Education, have been carefully filled out by such students and turned in to the office of the registrar.

Demonstration School

During the first term only the elementary grades of the Chapel Hill School will be operated as a Demonstration School for the classes in Elementary Education.

Teachers' Bureau

A Teachers' Bureau is maintained during the Summer School for the benefit of teachers desiring a change in position. Many applications for teachers are received each year while the Summer School is in session, and many Superintendents visit the Summer School for the purpose of employing well qualified teachers. In order that the management may keep closely in touch with available teachers and be enabled thereby to render prompt service to school officials applying for teachers, all well qualified applicants in attendance are invited to register with the Teachers' Bureau. No fee is required nor is any charge made for this service. Applicants are expected to file with the Bureau photograph and typewritten testimonials or letters of recommendation.

The Library

The University Library, containing more than 115,000 volumes and over 25,000 pamphlets, will be open daily to the students of the Summer School. Excellent opportunities are here afforded the students for wide reading and special re-

search. Model libraries are exhibited during the term for (a) Teachers, (b) Rural Elementary Schools, (c) High Schools. These suggestive collections may be consulted at any time.

The Gymnasium

Each day in the week, from 7 a. m. until 4 p. m., the shower baths in the Gymnasium will be open to the women of the Summer School. Hot water will be furnished every morning. Each afternoon, from 4 to 6:30, the shower baths will be open to the men.

One evening each week (Social Evening) the Gymnasium will be open for social purposes. A gymnasium fee of 75 cents each term is charged each student of the Summer School. This fee is paid at the time of registration.

The Infirmary

During the Summer School the University Infirmary will be open for the convenience of the students in attendance. The Infirmary will be under the direction of Dr. Eric A. Abernethy, Physician to the Summer School, and Mrs. Flora Rice, Nurse, who, with an assistant, will be constantly in attendance. There will be no extra charge for the services of the Physician or of the Nurse, except in cases of prolonged and serious illness necessitating a special nurse. The Summer School Physician will be at the Infirmary two periods a day for consultation and advice. At these hours students of the Summer School will be given the opportunity to consult the Physician about any matters pertaining to their health. A medical fee of $1.00 is required of each matriculate each term in the Summer School. This fee is paid at the time of registration.

Tuition, Registration, Laboratory, and Other Fees

Each matriculate in the Summer School is required to pay a flat registration fee of $15.00 for each term. This includes a matriculation fee of $10,00, a medical fee of $1.00, a gymnasium fee of 75 cents, an entertainment fee of $2.50, and a library fee of 75 cents each term. No tuition fees will be

charged teachers of the State or residents of the State who are preparing to teach; nor will tuition fees be charged a non-resident of the State who, at the time of matriculation, has signed a contract to teach in the schools of the State.

In addition to the registration fee, a nominal tuition fee of $10.00 for each term will be charged all other matriculates in the Summer School. Laboratory fees are charged for some courses. In each case where a laboratory fee is charged, due announcement of the fact is made in connection with the statement of the course for which it is charged. Registration, tuition, laboratory, and other fees are to be paid at the time of registration.

The entertainment fee entitles students in the Summer School to free tickets to all lectures, musical programs, dramatic performances, and other similar forms of entertainment provided by the management of the Summer School.

No refund of any of these fees will be made after one week from the second day of registration for the term.

Train Schedules

There are two trains a day, except Sunday, from University Station to Chapel Hill. The noon train arrives at 11:15 and the evening train at 6:45. Those who can conveniently do so would do well to arrange their trip so as to reach Chapel Hill on the noon train. Be sure to buy your ticket to Chapel Hill Station and have your baggage checked to this point (and not to the University Station, which is ten miles or more from the University).

Delivery of Baggage

The Summer School management will deliver the baggage of students free of cost at their dormitories, provided their checks are given only to the official representative of the Summer School at University Station or at Chapel Hill Station. During the registration periods a Bureau of Information will be maintained at University Station, and an official representative of the Summer School will be on hand to take up bag-

gage checks and give such information as incoming students may desire. Give your checks to this representative and your baggage will be delivered promptly and without charge.

Table Board

Good table board will be furnished at *Swain Hall* for $33.00 a term, payable at the beginning of the term. Seven hundred boarders can be accommodated at *Swain Hall.*

Dormitory Accommodations

For the accommodation of ladies in attendance upon the Summer School the following buildings will be open: *Carr, Old East, Old West, South, Steele, Grimes, Manly, Mangum, Ruffin, Russell Inn,* and *Roberson House.* Each dormitory will be in charge of a capable chaperon. Reservation of rooms may be made at any time.

For the accommodation of men in attendance upon the Summer School the following dormitories will be open: *Battle, Vance, Pettigrew,* and *Smith.*

During the Summer School each of these dormitories will be in charge of a capable chaperon who will see that the University's regulations regarding the health, comfort, and safety of the students are carried out, and who will be always ready to give the young ladies such advice and assistance as they may need.

The *Carr Building* contains 42 rooms and will accommodate 80 students.

The *Smith Building* contains 40 rooms and will accommodate 76 students.

The *Battle, Pettigrew,* and *Vance Sections* of the new dormitories contain 72 rooms en suite and will accommodate 144 students, 4 students to the suite.

The *Old East Building* contains 28 rooms and will accommodate 56 students.

The *Old West Building* contains 28 rooms and will accommodate 56 students.

The *South Building* contains 30 rooms and will accommodate 60 students.

The *Steele Building* contains 36 rooms and will accommodate 108 students.

Grimes, Manly, Mangum, and *Ruffin Dormitories* contain 36 rooms each, and will accommodate 108 students each.

Russell Inn contains 13 rooms and will accommodate 26 students.

Roberson House contains 5 rooms and will accommodate 10 students.

Room rent in any of these dormitories is $6 per student (two, three or four to the room) for the term of six weeks, *payable in advance.*

Rooms in the University dormitories will not be ready for occupancy by the Summer School students until Monday noon, June 18.

Reservations Must Be Made in Advance

Students desiring rooms in the University buildings must have their reservations made in advance, or the management cannot guarantee to them accommodations. Each application for a reservation should be accompanied by a check for $6 to cover room rent for the term. *Make all checks payable to the University of North Carolina.* Application should be made to the Director of the Summer School prior to June 9th, in order that applicants may be notified before leaving home whether or not their reservations have been made as requested. The University cannot provide dormitory accommodations for all who attend the Summer School. About one-third of those in attendance have to find accommodations in the village hotels and boarding houses. The management, of course, stands ready to render any assistance it can in the way of helping students of the Summer School to find convenient and comfortable accommodations in the village.

What the Student Must Furnish

Students occupying rooms in the University dormitories must furnish their own bed linen, pillows, towels, etc. Each student who secures a room in one of these dormitories will be expected to bring the following articles:

1 pillow.
2 pairs pillow-cases.
2 pairs of sheets (for single bed).
2 counterpanes.
6 towels.

Expenses for Each Term

The actual expenses of those who room in the College dormitories and board at *Swain Hall,* not counting, of course, the cost of transportation, books, and materials are for each term of six weeks as follows:

Table Board at Swain Hall (six weeks)	$33.00
Room rent in University Dormitories (six weeks)	6.00
Registration fees	15.00
Total (for teachers)	$54.00
Add tuition (for others)	10.00
	$64.00

Books and Material

Students of the Summer School will be expected to provide themselves with all books and materials required for their individual use in the course pursued. Most of the texts to be used are announced in connection with the description of the various courses. Students may procure their books before coming to the Summer School, or they may get them here at the Book Exchange, or at the Chapel Hill bookstores at the usual market prices.

Class Rooms

The rooms and buildings in which the various classes will meet will be announced on the daily program, a copy of which should be secured by each student before registering.

Chapel Exercises

Chapel exercises will be conducted in Memorial Hall each morning at 11:00 o'clock. At this time there will be a short prayer and song service. The chapel music will be under the direction of Professor Paul John Weaver. All general announcements will be made at chapel, and frequently there will be short addresses on topics of current and general interest.

Schedule

In the Summer School schedule the day is divided into periods as follows:

MORNING HOURS

First Period	8:00 to 9:00
Second Period	9:00 to 10:00
Third Period	10:00 to 11:00
Chapel Period	11:00 to 11:30
Fourth Period	11:30 to 12:30
Fifth Period	12:30 to 1:30

AFTERNOON HOURS

First Period	3:00 to 4:00
Second Period	4:00 to 5:00
Third Period	5:00 to 6:00

Classes scheduled to meet five times a week will hold their meetings daily from Monday to Friday and will not meet on Saturday after the opening week.

A daily schedule of recitations showing the hours and places of meeting for the various classes should be secured by each student at the time of registration.

The Young Women's Christian Association

A crowded schedule makes the program of the Y. W. C. A. take whatever form of service is most needed by the campus. This program includes recreation, hikes, tournaments, parties and games. Sometimes the desire of the student for spiritual growth calls into existence Bible classes, where under strong leadership, the principles of religion and life are discussed. Sometimes the desire for coöperative worship is expressed,

and the simple vesper service meets the needs of many. Special lectures on social morality, recreation, and club leadership are available when needed.

The Y. W. C. A. Secretary is on the campus not only to look after all the "activities" of the Association, but as a friend to every student. The Y. W. C. A. building is of value only as it is of service—whether through its reading room, social center, or information bureau; so it is hoped that every woman in attendance during the Summer School may find something she needs or wants from the Y. W. C. A.

The Secretary in charge will be Miss Caroline Sclater of the Student Staff of the South Atlantic Field Committee. All those interested, please see Miss Sclater on arrival.

Recreation and Entertainment

In addition to the regular courses of instruction scheduled in the various departments, there will be some form of recreation and entertainment provided each week while the Summer School is in session. Among the special features of this sort mention may be made of the Music Festival, three performances by the Devereux Players, Community Singing, Original Plays to be presented by the Carolina Playmakers, public lectures by noted thinkers and writers, etc. Such features will be so arranged and scheduled as not to interfere with the regular class work of the summer school students. For further particulars see Part IV of this Bulletin.

Laundry Department

The University owns and operates a modern laundry which is conducted on a strictly scientific basis. Students (except those who live with their families in Chapel Hill) are required to send their work to the University laundry. A laundry fee of six dollars to be paid at the time of registration is required of each student, against which a charge is made for the work done. If the amount of work done exceeds the amount of this deposit, the student is required to pay the excess. If the

amount of work done is less than the deposit, the balance is refunded, except that a minimum average charge of twenty cents per week will be made.

All work is accepted on a piece-price basis. The charges are exceedingly reasonable and are made strictly in accordance with the cost of operation. This enables the students to get their laundry work at a cost below the usual commercial prices.

The laundry accepts complete responsibility for all goods intrusted to its care and will pay for any articles lost or damaged.

Special Institutes of Public Welfare

During the Summer Session two types of courses are given through the School of Public Welfare, in addition to courses for teachers. The first is a series of courses in community organization, recreation, family case work, social pathology, social problems, and other courses suited to the special needs of social workers and teachers desiring further training in community work. These courses begin and end with the regular Summer Session of the University and are announced in the Department of Sociology in this Bulletin. The second type of summer work is the Special Institutes for Public Welfare and Community work, which in turn has two divisions. The 1923 Special Institutes of Public Welfare will be the fourth to be held under the joint direction of the University and the State Department of Public Welfare. The purpose of the institutes is fourfold: to bring together in helpful conferences officials and workers; to discuss common problems and programs of public welfare; to raise standards of work and to stabilize public welfare in North Carolina; and to give momentum to the North Carolina Plan through coöperation with the State Department and county systems. A fifth or special purpose is found in the special days devoted to the North Carolina public helping institutions. In enthusiasm, intense interest, and thoughtful discussions and contributions, the institutes have maintained a high standard throughout, due

largely to the continuous application and attendance of those present. It is believed that the contributions of this group will be of interest to all others in the field of public welfare in North Carolina. The special subjects will include Child Welfare, Mental Hygiene, the Administration of Public Welfare, Institutional Organization, and other problems of Public Welfare.

Summer School News

A weekly publication known as the *Summer School News* will be issued each Friday throughout the Summer Session. This publication will be conducted by a group of University students who have assumed the responsibility for it, financial and otherwise. This publication will carry the weekly schedule of the Summer School, its official announcements, and news items of general interest to all Summer School students. The subscription price for the six weeks will be fifty cents which may be paid at the time of registration.

DEPARTMENTS OF INSTRUCTION

Part II—College Courses

The letter s, meaning summer, is prefixed to the numbers of courses to distinguish them from the numbers employed in the annual catalogue to designate the courses of the regular college year.

The letter N indicates that the course counts for "normal credit," i.e., credit towards a state certificate. The letter C indicates that a course is of college grade and may be counted towards the bachelor's degree; the abbreviation G indicates that a course so marked is of graduate grade and may be counted toward the master's degree. One Summer School hour is counted as one-half a course for a term (quarter) of the regular session.

In most courses, it will be observed, the hours have not been scheduled. A daily schedule of recitations showing the hours and places of meeting should be secured by each student before registering.

Any changes in courses as announced will be published in a *Supplementary Announcement* prior to the opening of the Summer School. The student should secure a copy of this before registering.

ACCOUNTING

s 1. PRINCIPLES OF ACCOUNTING.

Mr. Thompson.	Credit, 1 course. C.
Prerequisite or corequisite, Economics 1-2.	*Ten hours a week.* *First term.*

Lectures with laboratory work. Study of the theory of debit and credit; single proprietor, partnership and corporation accounts; the interest problem; depreciation; construction and analysis of accounting statements; accounting labor-saving devices; special partnership problems. Laboratory exercises in accounting problems and technique. Laboratory fee, $5.00.

s 2. PRINCIPLES OF ACCOUNTING.

Mr. Thompson.	Credit, 1 course. C.
Prerequisite, Accounting 1.	*Ten hours a week.* *First and Second terms.*

Lectures and laboratory work. A continuation of the work begun in Accounting 1, together with a study of special types as consignments, adventure accounts, and approved sales. The student is also familiarized with voucher systems, corporation ac-

counting problems, principles of valuation and such fields of accounting as cost accounting, municipal accounting, and auditing. Laboratory fee, $5.00.

Accounting s1 and s2 are equivalent to Accounting 1 and 2 in the regular session.

CHEMISTRY

Courses for Undergraduates

s 1. GENERAL DESCRIPTIVE CHEMISTRY.

MR. BELL AND MR. SMITH. Credit, 1 course. C.
Fourteen hours a week.
First term

A study of the non-metallic elements and their compounds. Daily lectures and weekly quiz. Laboratory work seven hours a week. Laboratory fee, $4.00.

s 2. GENERAL DESCRIPTIVE CHEMISTRY.

MR. BELL AND MR. SMITH. Credit, 1 course. C.
Fourteen hours a week.
First term.

A study of the metals and their compounds. Daily lectures and weekly quiz. Laboratory work seven hours a week Laboratory fee, $4.00.

s 13. CHEMISTRY OF FOODS.

MR. VILBRANDT. Credit, 1 course. C.
Prerequisite, Chemistry 1-2. *Ten hours a week.*
First term.

Digestion processes; and the composition, preservation, adulteration, and industrial production of foods.

s 31. QUALITATIVE ANALYSIS.

MESSRS. VILBRANDT AND CROCKFORD Credit, 1 course. C.
Four hours daily.
Prerequisite, Chemistry 1-2. *First term.*

Lectures and laboratory work including practice with unknown mixtures. Laboratory fee, $10.00.

s 35. ANALYTICAL CHEMISTRY.

MESSRS. VILBRANDT AND CROCKFORD. Credit, 1 course. C.
Four hours daily.
Prerequisite, Chemistry 1-2. *First term.*

A course in analytical methods gravimetric and volumetric. Open only to students in the S.B. IV, Premedical, and Pharmacy courses.

s 61. ORGANIC CHEMISTRY.

MESSRS. TAYLOR AND MOEHLMANN. Credit, 1 course. C. *Fourteen hours a week.* *First term.*

A course in elementary organic chemistry, covering the major portion of the aliphatic series. Lectures daily and three laboratory periods weekly. Gives credit for the A.B. or B.S. degree or for entrance to any Medical School. Laboratory fee, $7.00.

s 62. ORGANIC CHEMISTRY.

MESSRS. TAYLOR AND MOEHLMANN. Credit, 1 course. C. *Fourteen hours a week.* *First term.*

Prerequisite, Chemistry 61.

The Carbocyclic and Heterocyclic Series. Lectures daily and three laboratory periods weekly. Gives credit for the A.B. or B.S. degree or for entrance to any Medical School. Laboratory fee, $7.00.

s 117. RESEARCH IN INDUSTRIAL CHEMISTRY.

MR. VILBRANDT. Credit, 1 course. G.

This course is intended for applicants for advanced degrees. Laboratory work with daily conferences with the instructor and reference to the literature relating to the subject of research, which must be assigned or approved by the instructor. Laboratory fee, $10.00.

s 194. ADVANCED PHYSICAL CHEMISTRY.

MR. BELL. Credit, 1 course. G. *Daily.*

Seminar Course; readings and discussions of recent advances in Physical Chemistry.

s 197. RESEARCH IN PHYSICAL CHEMISTRY.

MR. BELL. Credit, 1 course. G.

The statements made in regard to course s117 apply also to this course.

COMMERCE

s 1. MARKETING.

MR. FERNALD. Credit ½ course. C or G. *Five hours a week.* *Second term.*

This course has to do with the marketing of agricultural and manufactured products. It deals with the various channels through which goods pass in going from the farmer or manufacturer to the ultimate consumer. The organization of the parts of the distributive system is carefully analyzed with the idea of determining the economic functions performed by each factor. The adaptability of the various methods of distribution to different products is also considered in this course.

s 3. SALESMANSHIP.

MR. FERNALD. Credit ½ course. C or G.
Five hours a week.
Second term.

This course comprises a study of salesmen, their function in the distributive system and the various duties which they perform. The sale is analyzed and broken up into its component parts with the idea in mind of showing how a person can adapt his actions and arguments to the type of buyer interviewed. No two buyers can be approached in exactly the same manner and it is not only necessary for the successful salesman to understand his prospect but also to know how to interest him in the article or service. These points are carefully studied in this course.

s 5. ADVERTISING.

MR. FERNALD. Credit ½ course. C or G.
Five hours a week.
Second term.

This course covers the various kinds of advertising together with the physical make-up of copy and the psychological principles underlying each class. The technique of advertising is studied as a part of the course and copy is written by the students. Attention is also given to the planning and executing of advertising campaigns and various methods of checking the results. Mediums, as adapted to the store, the product and the type of distribution desired are also discussed. The advertising problems which confront the individual merchant are given thorough consideration in this course.

ECONOMICS

s 1. GENERAL ECONOMICS.

MR. CARROLL. Credit, ½ course. C.
Five hours a week.
First term.

This course covers the same ground as Economics 1 in the regular session and is planned to give an understanding of the gen-

eral principles underlying our complicated industrial life. An analysis is made of consumption, production, and distribution. The forces which operate in markets to determine value and prices are studied, together with the principles involved in the regulation of prices.

s 2. ECONOMIC PROBLEMS.

MR. CARROLL. Credit, 1 course. C.
Prerequisite or co-requisite, Economics 1. *Five hours a week. Both terms.*

The subject matter is the same as that of Economics 2 in the regular session. A brief introduction is given to money, credit, and banking; monopoly and business combinations; transportation; labor problems; and socialism. The object will be to give the student an understanding of the fundamental aspects of these subjects, sufficient for a comprehensive, well-organized basis for independent constructive thinking, or an adequate foundation for advanced study in the field of economics and industry.

s 3. MONEY.

MR. MURCHISON. Credit ½ course. C or G.
Prerequisite, Economics 1-2. *Five hours a week. First term.*

A study of the principles, functions and forms of money, the relation of money to prices and business conditions. The ground covered in the course is the same as in Economics 4 in the regular session, but it is treated in a briefer way.

s 4. BANKING.

MR. MURCHISON. Credit ½ course. C or G.
Prerequisite, Economics 1-2. *Five hours a week. First term.*

This course deals with the nature of credit and banking; their function in our economic life; the organization of the banking business and its relation to industrial undertakings; discounting operations and current banking problems. The content of this course corresponds to that of Economics 4 in the regular session, but is treated in a briefer way.

s 11. BUSINESS CYCLES.

MR. MURCHISON. Credit ½ course. C or G.
Prerequisite, Economics 1-2. *Five hours a week. First term.*

A study of the alternating periods of depression and prosperity. The underlying causes of panics and crises. Fluctuations in prices, trade volume, and physical production.

s 16. THEORIES OF ECONOMIC REFORM.

MR. CARROLL. Credit ½ course. C or G.
Five hours a week.
First term.

The object of this course will be to examine critically the most prominent of the current proposals of economic reform, such as socialism, Bolshevism, the single tax, profit sharing and labor co-partnership, and industrial democracy. This course may be taken by those who wish neither college nor graduate credit.

EDUCATION

s2a,b. PRINCIPLES OF EDUCATION.

First term: Credit, ½ course, each term. C.
Ia, MR. LATSHAW. *Five hours a week.*
IIa, MR. NOBLE, JR. *First and Second terms.*
Second term:
b, MR. LATSHAW.

This course is introduced to give the student a general introduction to the field of education. It has two main objectives: first, to give information about the school as an institution in modern society; second, to indicate concretely some of the problems of the school and to acquaint the student with the modern scientific approach to such problems. It is designed for any student whether he intends to be a teacher or not. Lectures, readings, discussions, and reports.

s 3. METHODS IN EDUCATION.

MR. NOBLE, SR. Credit, ½ course. C.
Five hours a week.
First Term.

A study of the methods employed in elementary and secondary schools. Required of sophomores in the School of Education, and open to Juniors and Seniors in the College of Liberal Arts who purpose teaching.

s 13. CONSTRUCTIVE SUPERVISION.

MR. BROGDEN. Credit, 1 course. C. or G.
Ten hours a week.
First term.

The purpose of this course is to meet the needs of rural school supervisors, principals of high schools, and superintendents in the supervision of classroom instruction; to aid the members of the class in the recognition and formulation of the basic principles of teaching as exemplified in actual teaching of the various subjects

in the course of study; to aid them in the recognition and formulation of definite standards by which to judge the quality of the teacher's instruction; and through assigned readings, reports, and discussions to bring the teachers into an intimate acquaintance with some of the best professional literature on methods of teaching.

In this course the members of the class will observe and study at first hand in the demonstration classes the teaching of the characteristic lesson types, the Inductive, the Drill, the Review, and the Lesson of Appreciation.

s 15. CLASS MANAGEMENT.

MR. PUSEY. Credit, ½ course. C.
Five hours a week.
First term.

The course will consider the problems incident to the management of the class or grade as distinct from the management of a school. Topics of class routine, lesson planning, conduct of the recitation, etc., will be discussed. Textbook, lectures, readings, reports.

s 16. SCHOOL MANAGEMENT.

MR. PUSEY. Credit ½ course. C or G.
Five hours a week.
First term.

This course is designed primarily for principals of city schools, supervisors, and superintendents, or for teachers wishing to prepare themselves for such positions. The emphasis will be laid on methods of inspecting, evaluating and directing classroom work; the principal's and supervisor's relation to the pupils, teachers, school authorities and the public. The textbook to be used as a basis will be Perry's *The Management of a City School, Revised.* Open only to seniors and graduate students.

s 17. HISTORY OF EDUCATION IN NORTH CAROLINA.

MR. NOBLE, SR. Credit, ½ course. C.
Five hours a week.
First term.

The purpose and development of educational theories in North Carolina as seen in public, private, charity, and church schools. A comparative study of public education in North Carolina and other selected typical states of the American Union. Lectures, discussions, and assigned readings.

s 18. HISTORY OF EDUCATION.

MR. BAKER. Credit, ½ course. C.
Five hours a week.
First term.

A study of the educational institutions and practices of ancient and modern nations, tracing the sources and development of present-day theories and educational processes. Textbooks, collateral readings, and themes. Cubberley's *History of Education* will be used as the basis of this course. Open to juniors and seniors.

s 20. ELEMENTARY EDUCATIONAL PSYCHOLOGY. (See Psychology s 20.)

s 23. EDUCATIONAL PSYCHOLOGY: ADVANCED. (See Psychology s23).

s 25. THE JUNIOR HIGH SCHOOL.

MR. PUSEY. Credit, ½ course. C.
Five hours a week.
First term.

Various specific problems will be considered as resulting from the reorganized school. The topics discussed will include arguments for and against the movement, essential characteristics of the Junior High School, present status and special features of representative schools, organization of curricula, criteria, for selection and organization of studies and other school activities. Individual investigations and reports on special problems, prescribed readings, class discussion.

s 26b. PUBLIC SCHOOL EDUCATION IN THE SOUTH.

MR. KNIGHT AND
MR. DRIVER. Credit, ½ course. C. or G.
Five hours a week.
First term.

In this course the present status and problems of education in the Southern States are studied in the light of their historical development. A brief survey of the theories and practices which obtained prior to 1861 is followed by an explanation of conditions between 1861 and 1900. Special attention is then given to a detailed treatment of the economic, social, and political influences which promoted the educational revival after 1900. Present problems in organization, administration, and supervision of rural education in the South are carefully considered. Textbook, lectures, readings, investigations, and special reports.

s 31b. RURAL SCHOOL ORGANIZATION AND ADMINISTRATION.

MR. KNIGHT AND MR. DRIVER. Credit, ½ course. C. or G. *Five hours a week. First term.*

This course is planned for teachers and principals of rural or village schools, county superintendents and rural supervisors. The conditions and principal problems of rural education in the United States are considered, with special attention to conditions in North Carolina and the South. The organization, administration, supervision, and support of rural schools, the county unit plan, consolidation and transportation will be carefully considered. Special attention will be given to the new school code of North Carolina. Textbook, lectures, special reports, and illustrative lectures.

s51a,b. PRINCIPLES OF SECONDARY EDUCATION.

First term: Ia, MR. MOSHER. IIa, MR. HOOD. Second term: b, MR. MOSHER. Credit, ½ course, each term. C. *Five hours a week. First and Second terms.*

A study of the American high school, its evolution, organization, administration, function, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward principalships in small high schools. Text-books, lectures, assigned readings.

Students who intend to make application for the High School Principal's certificate are required to complete satisfactorily Education 51, 52, and at least two or four other courses, the number depending upon the class of certificate for which the applicant intends to apply. *The Principles of Secondary Education* by Inglis will be used as the basis of this course.

s52a,b. GENERAL METHODS IN SECONDARY EDUCATION.

First term: Ia, MR. MOSHER. IIa, MR. HOOD. Second term: b, MR. MOSHER. Credit, ½ course, each term. C. *Five hours a week. First and Second terms.*

The course deals with a general survey of the nature of the secondary school pupil and of the nature of the subject matter taught in secondary schools; a study of the laws of learning which under-

lie and determine the conduct of the recitation and the management of the class; tests, examinations, and scales are also taken up and discussed in some detail.

s 54. THE PSYCHOLOGY OF HIGH SCHOOL SUBJECTS.

MR. HOOD. Credit, ½ course. C. or G.
Five hours a week.
First term.

This course will consider the function of the various subjects usually listed in the high school program of studies, together with an analysis of these subjects from the viewpoint of the psychologist. A course in applied psychology. Text-book, discussions, and readings. Students registering for this course should have had Education 51, or its equivalent, and a course in psychology.

s56a,b. MEASUREMENTS IN SECONDARY EDUCATION.

MR TRABUE AND MR. LATSHAW. Credit, ½ course, each term. C. or G.
Five hours a week.
Both terms.

The elementary statistical methods necessary for the interpretation of the results of educational measurements will be taught in the early meetings of this course. Samples of the scales and tests will be examined and discussed, and critical analyses will be made of the conclusions which have been drawn from their use in various high schools. Class experiments, lectures, readings, and reports.

The second half of this course will consist of special investigations by members of the class, involving both published reports and unpublished data regarding the achievements and character of secondary school pupils, especially in North Carolina.

s61a,b. EDUCATIONAL ADMINISTRATION.

MR. TRABUE AND MR. PROCTOR. Credit, ½ course, each term. C. or G.
Five hours a week.
Both terms.

The first half (a) of this course will consist of an intensive study of state school laws and organization. The school laws of North Carolina will be compared with the laws in other states, and a program of desirable school legislation outlined. The point of view from which all problems will be studied is that of the welfare of the state.

The second half (b) of the course will consider the organization and administration of local city school districts. The relation of the schools to other community enterprises, the relations of the various parts of the school organization, and the development of an effective public school system will receive chief consideration. School reports, surveys, and investigations will be studied along with the more systematic text-books.

s62a,b. MEASUREMENTS IN ELEMENTARY EDUCATION.

MR. TRABUE AND MR. NOBLE, JR. — Credit, ½ course, each term. C. or G.
Five hours a week.
Both terms.

The first half (a) of this course will introduce the student to methods of administering, scoring, tabulating, and interpreting the results of the best tests in the field of elementary education. Lectures, assigned readings, special reports, and class exercises.

The second half (b) of this course will consist of laboratory work in the interpretation of results from the elementary schools of North Carolina. Reorganizations of classes, modifications in the courses of study and methods of instruction, and certain phases of educational guidance will be studied, chiefly from the data available from local school systems.

s 65. SCHOOL FINANCE.

MR. PROCTOR. — Credit, ½ oourse. C. or G.
Five hours a week.
First term.

A study of the sources and distribution of school funds considered from the viewpoint of state, city, county and local district. Special attention will be given to the legal and administrative provisions concerning school funds in North Carolina. Lectures, assigned readings, and reports.

s101a,b. PROBLEMS IN SECONDARY EDUCATION.

MR. WALKER AND MR. MOSHER. — Credit, ½ course, each term. G.
Two hours a week.
Both terms.

This course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. Students who have not taken Education 51 may be admitted only with the special permission of the instructor. At the beginning of the course each student is required to select some one problem for special investigation. The problem for investigation may be chosen by

the student but must be subject to the approval of the instructor both as to field and method. A thesis will be required of each student. Throughout each term regular class discussions will be held on various problems in secondary education and assigned readings will be required.

s108a,b. PROBLEMS IN EDUCATIONAL ADMINISTRATION.
MR. TRABUE. Credit, ½ course, each term. G.
Four hours a week.
Both terms.

This is an advanced course conducted as a seminar for those graduate students who have special problems in educational organization, administration, supervision, or measurements, on which they wish to do research work under close supervision. Students should in all cases consult with the instructor before registering for this work.

s 109. EDUCATIONAL CLASSICS.
MR. BAKER. Credit, ½ course, each term. G.
Five hours a week.
First term.

An intensive study of the historical setting, content and purpose of certain educational masterpieces, which mark important movements in the development of educational practice. Such classics as Plato's *Republic,* Rousseau's *Emile,* Spencer's *Education* and others will be considered. The course is conducted on the seminar plan and requires individual investigation and report upon selected topics in addition to readings prescribed for the group.

s 121. EDUCATIONAL SOCIOLOGY. (See Sociology 121).

s126b. STUDIES IN SOUTHERN EDUCATION.
MR. KNIGHT. Credit, ½ course, each term. G.
Hours to be arranged.
First term.

This is a research course in studies and problems in education in the South. It is open only to students who are writing their Master's theses under Mr. Knight's direction. Education s26 or s31, or its equivalent, required as a prerequisite or parallel.

ENGLISH

Courses for Undergraduates

s 1. FRESHMAN ENGLISH.
First term: Credit, 1 course. C.
MR. HOWELL. *Five hours a week.*
Second term: *Both terms.*
MR. MACMILLAN.

Intensive reading, chiefly in American prose; extensive reading among one thousand selected books in the Library; constant written composition. Required of all Freshmen except those who take English 9abc.

s 3. ENGLISH LITERATURE.

First term: Credit, 1 course. C.
MR. HOWELL. *Five hours a week.*
Second term: *Both terms.*
MR. GRAVES.

Works representative of English literature from the beginning to the eighteenth century are studied as an expression of the life and thought of the periods in which they were written and as the embodiment of permanent human interests and ideals. Required of all Sophomores except those in Engineering.

s 13a. DRAMATIC INTERPRETATION.

MR. MCKIE. Credit, ½ course. C.
Five hours a week.
First term.

A course in dramatic action and speech, using as material scenes from Shakespeare's plays and short modern plays.

s17a. PUBLIC DISCUSSION AND DEBATE.

MR. MCKIE. Credit, ½ course. C.
Five hours a week.
First term.

A study of the principles of argumentation and practice in the application of these principles. Attention will also be paid to voice, gesture, and the relation of speaker and audience.

s37a. SHAKESPEARE: THE COMEDIES.

MR. MCKIE. Credit, ½ course. C.
Five hours a week.
First term.

A study of Shakespeare's contribution to comedy. Two of the comedies are studied intensively; others are read with reference to special points.

Courses for Graduates and Advanced Undergraduates

s 31. DRAMATIC COMPOSITION.

First term: Credit, 1 course. C. or G.
MR. KOCH. *Five hours a week.*
Second term: *Both terms.*
MR. MACMILLAN.

A practical course in Play Writing and Pageantry. Emphasis is placed on the materials of tradition and folk-lore and of present-day life in North Carolina. The essentials of stage craft are illustrated in the productions by the Carolina Playmakers of plays written in the course. The number of students admitted to this course is limited, and application should be made to Professor Koch in advance.

s 43. THE ELIZABETHAN DRAMA.

First term: Credit, 1 course. C. or G.
MR. GREENLAW. *Five hours a week.*
Second term: *Both terms.*
MR. GRAVES.

A brief study of the beginnings of the English drama, followed by an intensive study of Lyly, Marlowe, Greene, Peele, and Shakespeare.

s 51b. ROMANTICISM.

MR. WHITE. Credit, 1 course. C. or G.
Five hours a week.
Second term.

The greater poets of the romantic period are studied as artists and interpreters of life, in the light of the personal, literary, and historical circumstances under which they wrote.

s 55b. VICTORIAN LITERATURE.

MR. WHITE. Credit, ½ course. C. or G.
Five hours a week.
Second term.

Studies in the major poets of the Victorian era.

s 60b. AMERICAN LITERATURE.

MR. HIBBARD. Credit, ½ course. C. or G.
Five hours a week.
Second term.

Study of special topics in American literature, open to those who have had an elementary survey course or an equivalent.

s 71a. MODERN DRAMA.

MR. KOCH. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of representative plays of recent times, beginning with Ibsen. Special attention is given to the function of the drama in interpreting modern thought and changing social conditions.

s 81a. OLD ENGLISH: INTRODUCTORY COURSE.

MR. ROYSTER. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of Old English grammar and syntax. A considerable amount of Old English prose is read.

s 82. PRESENT-DAY ENGLISH.

MR. ROYSTER. Credit, ½ course. C. or G.
Five hours a week.
First term.

A consideration of habits of current English: recent spread of English; American English; class and geographical dialects; written and spoken language; world growth and decay; other tendencies observable in the living language.

s 91. THE TEACHING OF ENGLISH.

First term: Credit, 1 course. C. or G.
MR. GREENLAW. *Five hours a week.*
Second term: *Both terms.*
MR. HIBBARD.

A study of the high school course in English, chiefly from the point of view of literature as a means of training for culture and for good citizenship, but with some attention to the problem of English composition. In 1923 the chief emphasis will be placed upon the last two years of the high school course; in 1924 English s92 will be devoted to the first two years of the course. Graduate students will be required to write a term paper or to present the results of the investigation of a special problem.

Courses for Graduates

s 141. RESEARCH IN A SPECIAL FIELD.

First term: Credit, 1 course. G.
MR. GREENLAW. *Open only to graduates whose major*
Second term: *is in English.*
MR. GRAVES AND
MR. WHITE.

This course is designed primarily for students writing their theses for the degree of Master of Arts in the Department of English.

GEOGRAPHY

s 5. COMMERCIAL AND INDUSTRIAL GEOGRAPHY.

MR. W. B. COBB. Credit, 1 course. C.
Lectures five hours a week.
Second term.

Elementary course for freshmen in the School of Commerce. This course covers the fall term or the spring term of Geology 5 as announced in the University catalogue.

s 11. THE TEACHING OF GEOGRAPHY IN THE HIGH SCHOOL

MR. COLLIER COBB. Credit, ½ course. C.
Five hours a week.
First term.

This course will be devoted more especially to the methods of teaching American geography. It will also emphasize the use and construction of maps, modeling, neighborhood geography, and geographical influences in commerce and industry. Lectures, laboratory and field work, text-books, reports and reading.

s 22. COMMERCIAL AND INDUSTRIAL GEOGRAPHY.

First term: Credit, 1 course. C.
MR. COLLIER COBB. *Lectures five hours a week.*
Second term: *First and Second terms.*
MR. W. B. COBB.

This course covers the winter term of Commercial and Industrial Geography (Geology 22) as announced in the University catalogue. Lectures, laboratory work, reading, and reports.

GEOLOGY

s 13. INTRODUCTORY GEOLOGY.

First term: Credit, 1 course. C.
MR. PROUTY. *Lectures five hours a week.*
Second term: *First and Second terms.*
MR. RANDOLPH.

Dynamical and Structural Geology; materials of the earth and the agencies affecting them; processes and their results as a key to the interpretation of the earth's history, with special reference to that of North Carolina. Field and laboratory work. This course is the equivalent of Geology 1, as announced in the University catalogue. Text-book: Cleland, *Geology, Physical and Historical.* Laboratory fee, $2.00.

s 14. HISTORICAL GEOLOGY.

First term: Credit, 1 course. C.
MR. PROUTY. *Lectures five hours a week.*
Second term: *First and Second terms.*
MR. RANDOLPH.

The history of the earth and the evolution of its organisms. Lectures and laboratory work. This course is the equivalent of Geology 2, as announced in the University catalogue. Text-book: Cleland. Laboratory fee, $2.00.

s 16. ADVANCED GEOLOGICAL FIELD WORK.

MR. COLLIER COBB AND MR. PROUTY. Credit, 1 course. C. or G. *Six afternoons a week.*

This course consists of the making of a detailed base map of a small area and the working out of the geology of the region. This is the equivalent of Geology 51 or 52 of the regular session.

s 23. ORIGIN AND NATURE OF SOILS.

MR. W. B. COBB. Credit, 1 course. C. *Ten hours a week. Second term.*

Lectures with field work, laboratory work, and theses. This is the equivalent of Geology 23 of the regular session. Prerequisites, Geology 1-2, Chemistry 1-2.

GERMAN

s 1. ELEMENTARY COURSE.

MR. METZENTHIN. Credit, 1 course. E. or N. *Five hours a week: 9:45. First and Second terms.*

This course is intended for those who have no previous acquaintance with the language and for those who are interested in the new methods of teaching beginners. There will be oral practice and the inflections and the common laws of syntax will be learned practically. The class will make written summaries in German and translate simple German prose. Daily exercises in dictation. Text-book: Vos' *Essentials of German,* fourth edition (New York, Henry Holt & Co.).

NOTE. This course corresponds to the first term of German 1-2 as described in the University catalogue. When successfully completed it will be accepted as part of the college entrance requirement in German.

s 2. ELEMENTARY COURSE.

MR. METZENTHIN. Credit, 1 course. E. or N. *Five hours a week: 11:35. First and Second terms.*

Practical exercises in grammar and translation of German prose, with dictation. Oral methods will be used, as far as possible, in continuation of the Course s1. Text-books: Vos' *Essentials of*

German, fourth edition (New York, Henry Holt & Co.); *Scientific German Reader.* Dippold. Ginn & Co., Boston. This course corresponds to the second term of German 1-2 as described in the University catalogue. When successfully completed it will be accepted as part of the college entrance requirement in German.

NOTE. This course will not be given unless applied for in advance by as many as six students.

s 3a. ADVANCED COURSE.

MR. BOSSHARD. Credit, ½ course. C.
Five hours a week.
First term.

This course presupposes at least one year's successful study of college German. There will be a review of important points of grammar, but attention will be directed chiefly to wide reading. Colloquial exercises, composition, and dictation will be distinct features of the course. Text-books: Vos' *Essentials of German,* fourth edition (New York, Henry Holt & Co.); Storm's *Immensee* (New York, Charles Scribner's Sons); Heyse's *L'Arrabbiata* (Boston, D. C. Heath & Co.); Chiles' *German Prose Composition* (Boston, Ginn & Co.). This course corresponds in part to the first term of German 3-4 as described in the University catalogue. When successfully completed it will be accepted for credit as part of the first term of German 3-4.

s 4a. ADVANCED COURSE.

MR. BOSSHARD. Credit, ½ course. C.
Five hours a week.
First term.

There will be a review of important points of grammar not included in the previous course, s3a, composition, dictation, and wide reading of German prose. Text-books: Vos' *Essentials of German,* fourth edition (New York, Henry Holt & Co.); Chiles' *German Prose Composition* (Boston, Ginn & Co.); Freytag's *Die Journalisten,* new edition, 1916, (Boston, D. C. Heath & Co.); Gerstäcker's *Germelshausen* (New York, Henry Holt & Co.).

NOTE. This course corresponds in part to the second term of German 3-4 as described in the University catalogue. When successfully completed it will be accepted for credit as part of second term of German 3-4.

s 21. GERMAN LITERATURE.

MR. TOY. Credit, 1 course. C. or G.
Five hours a week.
First and Second terms.

This course is an introduction to the classical literature of Germany in the last quarter of the eighteenth century. A brief outline of the development of German literature is given in lectures. The class will read and interpret Lessing's *Minna von Barnhelm* and Schiller's *Die Jungfrau von Orleans.* Theses. Practical exercises in composition and dictation.

s 22. GERMAN LITERATURE.
MR. TOY. Credit, 1 course. C. or G.
Five hours a week.
First and Second terms.

Continuation of Course s21. Lectures on German literature. Reading and interpretation of Schiller's *Wilhelm Tell and* Goethe's *Iphigenie auf Tauris.* Theses. Practical exercises in composition and dictation.

GREEK

s 1. BEGINNER'S GREEK.
First term: Credit, 1 course. C.
MR. BERNARD. *Five hours a week.*
Second term: *Both terms.*
MR. WILSON.

A course for students who have had no opportunity for studying Greek. This course may be counted for credit towards the degree provided, it is followed by Greek 2, 3, 4, and 5. Also it may be counted for credit as an elective by students who have selected for their language requirements two other foreign languages.

s 3. GREEK LITERATURE IN ENGLISH TRANSLATIONS.
MR. BERNARD. Credit, ½ course. C.
Five hours a week.
First term.

A brief survey of the development of Greek literature with readings from the masterpieces of the greatest writers. Especially designed to offer acquaintance with one of the worlds' greatest literatures to those who do not know the language.

HISTORY AND GOVERNMENT

s 1a. FOUNDATIONS OF MODERN HISTORY.
MR. CONNOR. Credit, ½ course. C.
Five hours a week.
First term.

A general course dealing with the fundamental factors in modern civilization. The emphasis of the course will rest upon the com-

mercial revolution, European expansion, the Protestant Revolt, Colonial and dynastic rivalries. Lectures, text-books, and readings.

s 1b. FOUNDATIONS OF MODERN HISTORY .
MR. CALDWELL. Credit, ½ course. C.
Five hours a week.
Second term.

A survey of European society and government in the Eighteenth Century, the French Revolution and the Era of Napoleon. Special attention will be given to the permanent contributions of this period to civilization. The student passing History s1a and s1b will receive credit for History 1. Lectures, text-book and readings.

s 2a. FOUNDATIONS OF MODERN HISTORY.
MR. PIERSON. Credit, ½ course. C.
Five hours a week.
First term.

The student passing this course and History s2b will receive credit for History 2. The period covered will be that from 1815-1870—from the Congress of Vienna to the Franco-Prussian War. Emphasis will be placed on the undoing of the peace of Vienna, the development and spread of the industrial revolution, the growth of nationalism, and the progress in democracy. Lectures, text-books, and readings.

s 2b. FOUNDATIONS OF MODERN HISTORY.
MR. CALDWELL. Credit, ½ course. C.
Five hours a week.
Second Term.

The history of Europe since 1870, political and industrial problems and social legislation, the expansion of Europe, international relations and the World War. The student passing History s2a and s2b will receive credit for History 2.

s 17. HISTORY OF NORTH CAROLINA.
MR. CONNOR. Credit, ½ course. C. or G.
Five hours a week.
First term.

General survey of settlement and territorial expansion, the development of colonial institutions, intercolonial and imperial relations, revolution and independence, Federal relations, political, educational, and social developments. Lectures and readings.

s 24. ENGLISH HISTORY. 1832-1914.
MR. HAMILTON. Credit, ½ course. C. or G.
Five hours a week.
Second term.

A study of the development of democratic institutions in Great Britain from the passage of the Reform Bill in 1832 until the outbreak of the World War. Emphasis will be laid upon the economic and social aspects of the period. Lectures, text-book, and readings.

s 26. THE TEACHING OF HISTORY IN THE HIGH SCHOOL.
MR. CALDWELL. Credit, ½ course. C.
Five hours a week.
Second term.

A brief survey of the important methods in the teaching of History, followed by a review of Ancient History to acquaint the class with the sources and literature of the subject. Special attention will be given to the social, economic and cultural phases with a discussion of the subject matter of a high school course in Ancient History. Lectures, readings, and discussions.

s 27. THE AMERICAN REVOLUTION AND THE CRITICAL PERIOD, 1763-1787.
MR. CONNOR. Credit, ½ course. C. or G.
Five hours a week.
First term.

A general course in the relation of the American colonies to the British Empire, the causes of the American Revolution, the development of sentiment for independence and union, the social, political, and economic conditions following independence, and the formation and adoption of the Constitution of the United States. Lectures and readings.

s 28b. HISTORY OF THE UNITED STATES 1829-1860.
MR. PIERSON. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of the Jacksonian Epoch; the controversies about slavery, the nature of the Union, the tariff, and territorial expansion, and the causes of the Civil War. Lectures, text-book, readings and reports.

s 29a. SECESSION AND CIVIL WAR.
MR. HAMILTON. Credit, ½ course. C. or G.
Five hours a week.
First term.

This course will deal with the development of the secession movement in theory and practice, the culmination of the struggle over slavery, and with the political, and constitutional questions involved in the Civil War. Lectures, text-book, and readings.

s 29b. RECONSTRUCTION.
MR. HAMILTON. Credit, ½ course. C. or G.
Five hours a week.
Second term

This course deals with the restoration to the Union of the seceded states. It covers the period from 1865 to 1877 and lays emphasis upon the constitutional, political, social, and economic questions involved in reconstruction. Lectures, text-book, and readings.

s 30b. HISTORY OF THE UNITED STATES 1898-1920.
MR. PIERSON. Credit, ½ course. C. or G.
Five hours a week.
First term.

This course will attempt the survey of the social, political, diplomatic and economic history of the United States since the Spanish-American War. The effort will be made to analyze the growth of political dissent, and biographical studies will be made of Roosevelt, Taft, and Wilson. Lectures, and readings.

s 1b. GOVERNMENT.
MR. HAMILTON. Credit, ½ course. C.
Five hours a week.
First term.

An introductory study of state government in the United States dealing with its historical development and its relation to the federal system. Text-book, lectures and readings. This course, and Government s1a will be equivalent to Government 1.

LATIN

s 4. VERGIL.
MR. LATSHAW. Credit, ½ course. C.
Five hours a week.
First term.

A course designed for teachers who desire to improve their acquaintance with the Aeneid; translation from the first 6 books of the Aeneid and study of meter. Text-book: Any standard text of the *Aeneid.*

s 11. THE TEACHING OF LATIN IN THE HIGH SCHOOL.
MR. HOWE. Credit, ½ course. C.
Five hours a week.
First term.

A course for teachers, based on the authors usually taught in the high school. The topics to be discussed will include: assignment of lessons, grammar, translation, vocabulary, use of outside material in the interpretation of the text, methods of recitation, etc.; lectures, assigned readings; reports and discussions. Text-book: Any standard edition of *Caesar, Cicero,* and *Vergil.*

s 1. CICERO'S ESSAYS.
First term: Credit, 1 course. C.
MR. BERNARD. *Five hours a week.*
Second term: *Both terms.*
MR. WILSON.

This course consists of a review of grammatical principles, studies in vocabulary, and a reading of De Senectute and De Amicitia. It is the same as Latin 1 of the regular session.

s 15a. SEMINAR COURSE.
MR. HOWE. Credit, ½ course. C. or G.
Five hours a week.
First term.

The subject to be studied will be selected at the first meeting of the class. The selection is postponed until that time in order to meet the requirements of the students who apply for it. Suggested topics are: Cicero's works apart from the orations; Historical Literature; Epistolary Literature; Tacitus' works; Latin Inscriptions, Ovid's Poetry. Lectures, readings and reports.

s 15b. SEMINAR COURSE.
MR. WILSON. Credit, ½ course. C. or G.
Five hours a week.
Second term.

This course is a continuation of Course s15a, but may be taken without s15a.

s 17. CICERO.
MR. LATSHAW. Credit, ½ course. C. or G.
Five hours a week.
First term.

The course will deal with Ciceros' life and literary works, including some study of the orations. The aim is to secure an understanding of Cicero which will provide a background for the teaching of the orations in the high school.

LIBRARY SCIENCE

s 1. THE USE OF BOOKS.

MR. WILSON. Credit, ½ course. C. or G.
Five hours a week.
First term.

A course for college students, teachers, and librarians on the use of books. Instruction is given as to the kind of information specific reference books, dictionaries, and encyclopedias contain. Special emphasis is laid on methods of finding material for use in the preparation of themes, essays, debates, orations, and of assisting others in finding material in school or public libraries for school use. Practice with the reference books of the University Library and the preparation of an extensive list of reading on some subject to be assigned will be required. Lectures, assigned readings, text-book.

s 5. LIBRARY ORGANIZATION AND METHODS.

MR. WILSON. Credit, 1 hour. N. or ½ course. C.
Five hours a week.
First term.

An elementary course in the organization and management of school and public libraries. (a) General lectures on book selection and buying; children's reading; reference work with pupils in the high school and grades; materials for declaiming, essay writing, and debating. (b) Technical lectures on the care of books; accession records; classification and book numbers; cataloging, charging systems, binding and mending books; care of periodicals and pamphlets. (c) Practice in the University Library. (d) Assigned readings.

s 7. CLASSIFICATION AND CATALOGING.

MISS THOMPSON AND MR. WILSON. Credit, 1 hour. N. or ½ course. C.
Five hours a week.
First term.

A course devoted to the careful, detailed study of the principles of classification and cataloging and their application in the administration of school, public, and college libraries. Lectures, assigned readings, and text-books, with required practice in the University Library.

MATHEMATICS

N. O. SOLID GEOMETRY.

MR. RANKIN. Credit, 1 hour. N.
Five hours a week.
First term.

A regular course in solid geometry with emphasis upon applications.

s 1. (Alg.). COLLEGE ALGEBRA.

MR. LASLEY. Credit, 1 course. C.
Ten hours a week.
First term.

A course in algebra from the point of view of functions, including a study of the number system of algebra, the fundamental operations, progressions, functions of first, second and higher degrees; also exponential and logarithmic functions and determinants.

s 2. (Trig.). PLANE TRIGONOMETRY.

MR. WINSOR. Credit, 1 course. C.
Ten hours a week.
First term.

A general course dealing with trigonometric functions, unit circle, radian measure, identities, equations, angle sum and difference formulas with special attention to the solution of triangles, right and oblique, plane and spherical.

s 1. MATHEMATICAL ANALYSIS I.

First term: Credit, 1 course. C.
MR. HENDERSON. *Five hours a week.*
Second term: *Both terms.*
MR. LINKER.

A study of functions and their graphs, the limit notion, graphical treatment of rates, mean ordinates, maximum, and minimum, areas, etc., an introduction to the notions of the differential and integral calculus. Graphical solution of equations.

s 3. ANALYTIC GEOMETRY.

First term: Credit, 1 course. C.
MR. HENDERSON. *Five hours a week.*
Second term: *Both terms.*
MR. LINKER.

The algebraic or analytic method in geometry. Special stress is put upon the locus of an equation and the equation of a locus. The conic sections are studied and various other curves, especially the exponential and periodic types. Text: Smith and Gale *New Analytic Geometry.*

s 4. DIFFERENTIAL CALCULUS.

First term: Credit, 1 course. C.
MR. WINSOR. *Five hours a week.*
Second term: *Both terms.*
MR. HOBBS.

The derivatives of functions and their applications to geometry and mechanics. Text: Granville *Differential and Integral Calculus.*

s 10. DIFFERENTIAL EQUATIONS.

MR. HOBBS. Credit, ½ course. C.
Five hours a week.
Second term.

A course equivalent to Mathematics 10 in the University catalogue. To be given only in case it is applied for by at least six students.

s 13. THEORY OF EQUATIONS.

First term: Credit, 1 course. C.
MR. HENDERSON. *Five hours a week.*
Second term: *Both terms.*
MR. LINKER.

Complex numbers, roots of equations, cubic and quartic equations, Graphs, solution of numerical equations, determinants, symmetric functions and elimination. Text: *First Course in the Theory of Equations,* by L. E. Dixon.

s 50. THE HISTORY OF MATHEMATICS.

MR. RANKIN. Credit, 1 course. C.
Five hours a week.
First term.

An account of some of the men and events in the history of mathematics. The content of this course is primarily mathematical, the topics being considered in the light of their historical setting.

s 51. THE TEACHING OF MATHEMATICS IN THE HIGH SCHOOL.

MR. RANKIN. Credit, ½ course. C.
Five hours a week.
First term.

A study of the content and arrangement of the material of high school mathematics in accordance with the recommendations of The National Committee on Mathematical Requirements.

s 52. ELEMENTARY PROJECTIVE GEOMETRY.

First term: Credit, ½ course, each term. C.
MR. LASLEY. *Five hours a week.*
Second term: *Both terms.*
MR. HOBBS.

The fundamental notions of projective geometry: projection, section, perspectivity, etc. Both analytic and geometric methods are employed. Projective correspondence, involution and general projective relations between one dimensional forms are studied.

MUSIC

NOTE. All registrations in the music department must be made through the head of the department.

s 1. GENERAL PROBLEMS OF MUSIC SUPERVISION.

MR. WEAVER. Credit, ½ course. C.
Five hours a week.
First term.

A survey and study of the problems of school music teaching. This course is planned as a supplement to the methods courses listed below, and all special teachers of music should register both for this course and for one or more courses in methods. The underlying pedagogical, psychological and musical principles of the different series of music texts will be studied and compared.

s 2. PUBLIC SCHOOL MUSIC METHODS, PRIMARY GRADES.

Section I, MISS PRATT. Credit, ½ course. C.
Section II, MISS LAMPERT. *Five hours a week.*
Section III, MISS HAYES. *First and Second terms.*
Section IV, MR. SHELDON.

Materials and methods for grades one to three inclusive; rote songs, singing games, etc.; preparation for and beginning of the sight-reading process; appreciation of music. Students in this course should also register for music s5.

Sections I and II based on the Progressive Music Series Sections III and IV based on the Hollis Dann Music Series.

s 3. PUBLIC SCHOOL MUSIC METHODS, GRAMMAR GRADES.

Section I, MISS PRATT. Credit, ½ course. C.
Section II, MISS HAYES. *Five hours a week.*
First and Second terms.

Material and methods for grades four to seven inclusive; sight-reading problems, part-singing, appreciation of music, instru-

mental classes, etc. Prerequisite, courses s2 and s5 or their equivalents. Students in this course should also register for course s6.

Section I based on the Progressive Music Series Section II based on the Hollis Dann Music Series.

s 4. HIGH SCHOOL MUSIC.

MISS LAMPERT. Credit, ½ course. C.
Five hours a week.
First term.

Organizaztion and planning of courses in music in the high schools; conducting, grading, voice-testing, etc.; glee clubs; vocal and instrumental classes.

s 5. SIGHT-SINGING AND EAR-TRAINING, ELEMENTARY.

Section I, MISS PRATT.
Section II, MISS HAYES.
Section III, MR. SHELDON.
Credit, ½ course. C.
Five hours a week.
First and Second terms.

A beginners' course in the process of reading music at sight and in recognizing and reproducing music at first hearing. The So-Fa syllables are used, and the material is such as would be read in the first three grades. This course should be taken simultaneously with course s2.

s 6. SIGHT-SINGING AND EAR-TRAINING, ADVANCED.

MISS LAMPERT. Credit, ½ course. C.
Five hours a week.
First term.

A continuation of course s5, open to any student who can do the work outlined therein. The material of this course is such as would be read in grades 4 to 7. This course should be taken simultaneously with course s3.

s 7. APPRECIATION OF MUSIC.

MR. WEAVER. Credit, ½ course. C.
Five hours a week.
First term.

An illustrated course, taking up various phases of the subject from the standpoint of presentation in the public schools. No previous musical training is necessary for students entering this course.

s 8. HISTORY OF MUSIC.

MR. SHELDON. Credit, ½ course. C.
Five hours a week.
First term.

A general course in music history; no prerequisites.

s 9. KINSCELLA CLASS METHODS OF PIANO TEACHING.
MISS KINSCELLA.

A special course offered by Miss Hazel Gertrude Kinscella of the University of Nebraska; June 18 to 30 inclusive. For students registered in the Summer School. The special fee for this course will be $25.00 for students regularly registered in the Summer School; for all others the fee will be $30.00.

s 10. VOICE LESSONS.
MR. HAMILTON.

Individual instruction in voice placement, breathing, enunciation, phrasing, accent, rythm, song interpretation. After registering, the pupil must see the teacher assigned, pay fee and present receipt before receiving lessons. Fee, $12.00 for 12 lessons.

s 11. PIANO LESSONS.
MISS AMIS.

Individual instruction; technical work, interpretation, repertoire development, coaching.

Registration and fee requirements same as for course s10.

s 12. VIOLIN LESSONS.
MR. SHELDON.

Individual instruction; technical work, interpretation, repertoire development and coaching. Registration and fee requirements same as for course s10.

NOTE. For the special programs which the Department of Music will put on while the Summer School is in session, see under Part IV—Special Features—of this bulletin.

PHYSICS

s 1. ADVANCED COURSE.
MESSRS. PATTERSON AND DAUGHERTY. Credit, 1 course. C.
Twelve hours a week.
First term.

Mechanics of solids, liquids and gases; sound. Five lectures and seven laboratory hours a week. This course is the equivalent of one term of Physics 1-2 as scheduled in the University catalogue. Text-book: Kimball, *College Physics.*

s 2. ADVANCED COURSE.
MESSRS. STUHLMAN AND DAUGHERTY. Credit, 1 course. C.
Fourteen hours a week.
Second term.

Heat, light, electricity, and magnetism. A continuation of Course s1. Five lectures and nine laboratory hours a week. This course is the equivalent of the second term of Physics 1-2 as scheduled in the University catalogue.

NOTE. A fee of $2.50 will be charged in each course if laboratory work is taken.

s 9. OPTICS.

MR. STUHLMAN. Credit, 1 course. C. or G.
Prerequisites, Physics 1-2 and Mathematics 4. *Twelve hours a week.* *Second term.*

A treatment of the fundamental principles of geometrical and physical optics; lectures, problems and laboratory work. Laboratory fee, $2.50.

s 13. TEACHERS' COURSE.

MESSRS. PATTERSON AND DAUGHERTY. Credit, 1 course. C. *Ten hours a week.* *First term.*

Five recitations and five laboratory periods a week. The course is designed for teachers who wish a review of the subject, with some suggestions on teaching, on building and purchasing apparatus. Millikan and Gale's *"Practical Physics"* will be used, and the laboratory manual of Millikan, Gale, and Bishop.

NOTE. A fee of $2.50 will be charged in this course if laboratory work is taken.

PSYCHOLOGY

s 1. GENERAL PSYCHOLOGY: FIRST HALF.

MR. DASHIELL. Credit, 1 course. C. *Ten hours a week.* *First term.*

The aim of the course is to present the essential phenomena of the general field of psychology, and the various theoretical and experimental methods of its approach. Lectures and experiments. This is equivalent to the first half of Psychology 1-2 scheduled in University catalogue. This course, with course s2, or equivalent, pre-requisite to all other courses in psychology. Offered during first term only.

s 2. GENERAL PSYCHOLOGY: SECOND HALF.

MR. DASHIELL. Credit, 1 course. C. *Ten hours a week.* *Second term.*

Continuation and completion of course Psychology s1. Equivalent to second half of Psychology 1-2 scheduled in University catalogue. This course, with s1, pre-requisite to all other courses in psychology. Offered during second term only.

s20a,b. EDUCATIONAL PSYCHOLOGY: INTRODUCTORY.

MR. CASON. Credit, ½ course each term. C. or G.
Five hours a week.
Both terms.

Many of the leading principles brought to bear upon educational practice and theory by psychological findings will be taken up in an elementary way. Some attention will be given to the psychology of the school subjects. Pre-requisites, Psychology 1-2, or equivalents. 20a offered during first term, 20b during second term; may be elected independently.

s23a,b. EDUCATIONAL PSYCHOLOGY: ADVANCED.

MESSRS. CASON AND DASHIELL. Credit, ½ course each term. C. or G.
Five hours a week.
Both terms.

A critical and scientific study of those phases of human nature that are important in education, such as, native human capacities, the effects of environment upon them, kinds of learning, factors influencing learning, individual differences, mental hygiene, etc. Readings, discussions, and experiments. Pre-requisites, Psychology 1-2, or equivalents, required; and Psychology 20 advised. 23a offered during first term, 23b during second term; may be elected independently.

s26a,b. CHILD PSYCHOLOGY.

MR. CASON. Credit, ½ course each term. C. or G.
Five hours a week.
Both terms.

The development of behavior in the child; including original equipment, maturation or structure, development of capacity, and formation of interests. Some attention to be given to the adolescent period. Reading and observations. Prerequisites, Psychology 1-2, or equivalents. 26a offered during first term, 26b during second term; may be elected independently.

s 46a. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES.

MR. CRANE. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of the more important deviations from the normally reacting and experiencing human organism; including the sensory, imaginal, emotional, motor, etc. Prerequisites, Psychology 1-2. Offered during first term only.

s 47a. MENTAL EXAMINATION METHODS.

MR. CRANE. Credit, ½ course. C. or G.
Five hours a week.
First term.

A presentation of the various psychological methods used in the clinical study of individuals. This will include a study of the methods used in the determination of the presence or absence of specialized defects and in the determination of the level of general intelligence. Pre-requisites, Psychology 1-2, or equivalents. Offered during first term only.

ROMANCE LANGUAGES

FRENCH

s 1. ELEMENTARY COURSE.

MR. ROBERTS. Credit, 1 course. N.
Ten hours a week.
First term.

Essentials of French grammar. Special drill in pronunciation. It is aimed to make this course as practical as possible, with much oral work.

s 2. ELEMENTARY COURSE.

First term: Credit, 1 course. N.
MR. ROBERTS. *Ten hours a week.*
Second term: *First and Second terms.*
MR. HUSE.

Continuation of French s1.

s3a,b. A CONTINUATION OF FRENCH 1-2.

a, First term: Credit, each term, ½ course. C.
MR. HARONIAN. *Five hours a week.*
b, Second term: *First and Second terms.*

Reading of modern French literature, frequent composition, and dictation.

s4a,b. A CONTINUATION OF FRENCH s3.

a, First term: Credit, each term, ½ course. C.
MR. LEARNED. *Five hours a week.*
b, Second term: *First and Second terms.*

s 5a. ADVANCED COURSE.

MR. LEARNED. Credit, ½ course. C.
Five hours a week.
First term.

Introduction to the study of French literature. A general survey of French literature during the 17th century, with some reference to preceding literary movements.

s 5b. ADVANCED COURSE.

MR. HUSE. Credit, ½ course. C.
Five hours a week.
Second term.

Continuation of French s5a. Reading of plays of Corneille, Racine, and Molière.

s 8. TEACHERS' COURSE.

MR. DEY. Credit, ½ course. C.
Five hours a week.
First term.

French phonetics. A detailed study of the French vowel and consonant sounds by the phonetic method. This course should be elected by those who intend to teach French.

s 19a. THE NOVEL IN FRANCE IN THE NINETEENTH CENTURY.

MR. DEY. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of the works of Mérimée, Balzac, Victor Hugo, Stendhal, George Sand, Flaubert, Zola, and others. Lectures, reading, reports.

s 19b. CONTEMPORARY FRENCH NOVELISTS.

MR. LEARNED. Credit, ½ course. C. or G.
Five hours a week.
Second term.

A study of the works of Anatole France, Loti, Bordeaux, Bazin, Bourget, Benoît, and others.

s121a. OLD FRENCH.
MR. LEARNED. Credit, ½ course. G.
Five hours a week.
First term.

Historical grammar; the origin of French words. Phonology and morphology.

s121b. OLD FRENCH.
MR. LEARNED. Credit, ½ course. G.
Five hours a week.
Second term.

Phonology and morphology continued. Reading of the oldest texts. *Prerequisite,* French s121a.

SPANISH

s 1a. ELEMENTARY COURSE.
MR. SHAPIRO. *Five hours a week.*
First term.

N. B. There is no credit for this course unless it is followed by Spanish s1b; in which case the credit for Spanish s1a and Spanish s1b is 1 course, N.

s 1b. ELEMENTARY COURSE.
MR. SHAPIRO. *Five hours a week.*
Second term.

Continuation of Spanish s1a. Spanish s1a and Spanish s1b carry a credit of 1 course, N.

s 2a. ELEMENTARY COURSE. Continuation of Spanish s1b.
MR. LEAVITT. *Five hours a week.*
First term.

N. B. There is no credit for this course unless it is followed by Spanish s2b; in which case the credit for Spanish s2a and Spanish s2b is 1 course, N.

s 2b. ELEMENTARY COURSE.
MR. SHAPIRO. *Five hours a week.*
Second term.

Continuation of Spanish s2a. Spanish s2a and Spanish s2b carry a credit of 1 course, N.

s4a,b. CONTINUATION OF SPANISH 3.
a, First term: Credit, each term, ½ course. C.
MR. ROBERTS. *Five hours a week.*
b, Second term: *Both terms.*

Reading of modern Spanish literature, composition and dictation.

s5a,b. MASTERPIECES OF SPANISH LITERATURE.

a, First term: Credit, each term, ½ course. C.
b, Second term: *Five hours a week.*
Both terms.

Extensive collateral reading. Oral drill in the spoken language. Topics of general interest discussed.

s 8. TEACHERS' COURSE.

MR. SHAPIRO. Credit, ½ course. C.
Five hours a week.
First term.

General course in Spanish phonetics. Discussion of teachers' problems.

s 20a. THE NOVEL IN SPAIN IN THE NINETEENTH CENTURY.

MR. LEAVITT. Credit, ½ course. C. or G.
Five hours a week.
First term.

A study of the works of Fernán Caballero, Alarcón, Valera, Pereda, Pérez Galdós, Pardo Bazán and others. Lectures, oral and written reports.

s 20b. CONTEMPORARY SPANISH LITERATURE.

MR. LEAVITT. Credit, ½ course. C. or G.
Five hours a week.
Second term.

A study of the works of Blasco Ibáñez, Baroja, León, Pérez de Ayala and others. Lectures, oral and written reports.

s120a. EARLY SPANISH.

MR. SHAPIRO. Credit, ½ course. C. or G.
Five hours a week.
First term.

The origin of Spanish words, historical study of declension and conjugation; consideration of the earliest writings in Spanish.

s120b. INTRODUCTION TO SPANISH LITERATURE OF THE MIDDLE AGES.

MR. SHAPIRO. Credit, ½ course. C. or G.
Five hours a week.
Second term.

Continuation of Spanish s120a, which is a prerequisite for this course.

s131a. CHILEAN LITERATURE.

MR. LEAVITT. Credit, ½ course. C. or G.
Five hours a week.
First term.

A survey of Chilean literature from Colonial times to the present day. Lectures, reading, oral and written reports.

s131b. ARGENTINE AND URUGUAYAN LITERATURE.

MR. LEAVITT. Credit, ½ course. C. or G.
Five hours a week.
Second term.

A survey of Argentine and Uruguayan literature from Colonial times to the present day. Lectures, oral and written reports.

RURAL SOCIAL ECONOMICS

s 11. RURAL SOCIAL PROBLEMS.

MR. HOBBS. Credit, ½ course. C. or G.
Five hours a week.
Second term.

1. Rural mindedness: causes, characteristics, consequences. 2. Rural Social Institutions: (1) What they are, the purposes they serve, the levels they occupy, (2) special studies of (a) the country school, (b) the country church, and (c) the country community. 3. Rural Social Agencies: (1) What they are, the purposes they serve, their limitations, (2) special studies of (a) the farm bureau, and (b) county-wide library service. 4. Country life Problems: (1) illiteracy, (2) tenancy, (3) sanitation and health, (4) communication, (5) coöperative county enterprise, (6) constructive ideals, (7) the small-town approach to the country life problems.

s 12. RURAL ECONOMICS.

MR. HOBBS. Credit, ½ course. C. or G.
Five hours a week.
First term.

A formal course in Rural Economics: a background for defining and interpreting the economic problems of country life in North Carolina and the South. Our agricultural resources, our farm systems, our rural life conditions, and our rural economics problems. (1) Historical sketch of modern agriculture, with special studies in developing southern agriculture, (2) the economics of agriculture, (3) land, labor, and capital as factors in agricultural production and ways of economizing these factors, (4) the distribution of agricultural products and agricultural in-

come, (5) farm tenantry—its origin, advantages, disadvantages, and remedies, (6) rural credits, (7) coöperation in farm enterprises and rural activities, (8) well-balanced farm systems.

s 13. LABORATORY COURSE IN RURAL SOCIAL PROBLEMS.
MR. HOBBS. Credit, ½ course. C. or G.
Five hours a week.
First term.

This course is open to students taking s11 and s12. The studies concern matters of state-wide importance. They cover rural, urban, and industrial problems, economic and social. The subjects and methods are indicated by the 900 studies already made by the Summer School and regular term students of the University during the last seven years, and given to the public in part in various issues of the University News Letter, and the North Carolina Club Year Books, 1915-16, and 1916-17, and 1917-18, 1919-20, and 1920-21, and 1921-22.

Students from other states will be assigned to similar studies of their home states. The consultation hour is 3:00 o'clock daily; but the work can be done in the laboratory headquarters at any time suiting the convenience of the students enrolled.

s 14. LABORATORY COURSE IN RURAL SOCIAL PROBLEMS.
MR. HOBBS. Credit, ½ course. C. or G.
Five hours a week.
Second term.

s 20. NORTH CAROLINA: ECONOMIC AND SOCIAL.
MR. HOBBS. Credit, ½ course. C. or G.
Five hours a week.
First term.

This course is designed to familiarize the student with North Carolina: social areas, population, agriculture, resources, social life, industrial development, wealth and welfare. This course is valuable for teachers whose subjects deal with North Carolina.

SOCIOLOGY

s2a,b. PRINCIPLES OF SOCIOLOGY.
MR. MEYER. Credit, 1 course. C.
Five hours a week.
Both terms.

A study of the ranges of human experience and relationship through the analysis of social population, social forces, social processes and social products. Effort will be made to study carefully social principles and their practical applications, and to learn

not only social structure and social function, in general, but the possibilities and prospects of guiding the activities of social groups and social forces. Institutional modes of conduct will occupy a large place in the final consideration and conclusions. *Either term may be taken for a credit of ½ course.*

s4a,b. EDUCATIONAL SOCIOLOGY.

MR. ODUM. Credit, 1 course. C. or G.
Five hours a week.
Both terms.

Standards of measurement for social progress. Survey of sociological principles involved in their applications to education, politics, government, social work. The effective uses of sociology in directing and controlling group progress, social institutions, democracy, and in the development of the total social personality of the individual. The coördination of institutional modes of activity and the enrichment, through coöperation, of social organization. Special application to school and school work. *Either term may be taken for a credit of ½ course.*

s8a,b,. PRINCIPLES OF COMMUNITY ORGANIZATION.

MR. HART. Credit, ½ course. C. or G.
Five hours a week.
Both terms.

The community as a unit of work; problems of modern community life; principles underlying community organization; experiments in methods of community organization; development and coördination of community activities, illustrated by case records; problems of community leadership. The school and community. The teacher as a community leader. *Either term may be taken for a credit of ½ course.*

s10a,b. THE STUDY OF SOCIAL PROBLEMS.

MR. ODUM. Credit, 1 course. C. or G.
Five hours a week.
Both terms.

Three Parts: I. The Development of the Individual. II. Problems of the Institutions. III. Problems of Democracy, social organization and Public Welfare. Problems of the family, town, county, race, industry. *Either term may be taken for a credit of ½ course.*

s24a,b. THE PHILOSOPHY OF PLAY AND RECREATION.

MR. MEYER. Credit, ½ course. C. or G.
Five hours a week.
Both terms.

The modern theory of the fundamental instincts; their relationship to play and recreation. The sociological and ethical implications of play. Demonstration of a play festival. Contests, races, stunts, pageantry and the drama. Community athletics. A community plan. Directed play in the school. *Either term may be taken for a credit of ½ course.*

Part III—Normal School Courses

The courses offered in this department are formulated in accordance with the suggested curricula for state summer schools recommended by the North Carolina State Department of Education. These courses do not for the present carry credit toward the University's A.B. and B.S. degrees although they are of college grade. Credit within certain limits will be allowed for them toward the degrees of A.B. in Education. Students applying for admission to these courses must meet the same entrance requirements that students applying for admission into the regular college courses are required to meet. These courses are marked "N" instead of "s" in order to distinguish them for the present from the courses offered by the regular departments of the University.

The complete plan of the State Department of Education for such courses is presented in outline (given below) in the "Suggested Curricula for Summer Schools." Many of the courses of these "Suggested Curricula" are offered by the regular departments of the University and are to be found outlined under their respective headings in these departments. Not all the courses listed are given every year. Some of them will be offered in alternate years. But every teacher who attends the Summer School for the purpose of raising his certificate by means of summer study will be given the opportunity before completing the cycle of prescribed courses to get every unit of instruction required in his particular curriculum.

The content courses in this department will be based in the main on the state-adopted books for elementary schools, and students who own sets of books may save themselves some expense by bringing with them such texts as can be used in the courses they wish to pursue.

The courses outlined below will be given in the first term. All of those for which there is sufficient demand will be repeated in the second term. A bulletin for this department, to

be issued about July 1, will show specifically the courses to be offered in the second term.

SUGGESTED CURRICULA FOR SUMMER SCHOOLS

A. HIGH SCHOOL GRADUATION AND ONE YEAR COLLEGE
(To Secure Elementary Certificates—Classes A and B).

1. *For Work in Lower Grades*
Story Telling
Primary Reading
Health
Writing

2. *For Work in Upper Grades*
Story Telling (Upper Grades)
Grammar Grade Reading
Health
Writing

B. PROGRESSIVE PROGRAM OF STUDY TO CONVERT AN ELEMENTARY B CERTIFICATE INTO A PRIMARY C CERTIFICATE. (Eight Summer Schools of six weeks, or four of twelve weeks).

1. *First Step:* *From Elementary B to Elementary A*
Four Summer Schools of six weeks, or two of twelve weeks.
For Work in Lower Grades

1st Summer School
Story Telling (Pri.)
Primary Reading
Health
Writing

2nd Summer School
English Grammar
Handwork
Physical Education
Writing

3rd Summer School
English Composition
Child Study
Nature Study (Plants)
Drawing-Fundamentals

4th Summer School
English Composition (Cont.)
Class Management
Nature Study (Plants)
Primary Drawing

2. *Second Step:* *From Elementary A to Primary C*
Four Summer Schools of six weeks, or two of twelve weeks.
For Work in Lower Grades

1st Summer School
Tests and Measurements
Primary Language
Children's Literature
Public School Music

2nd Summer School
History of Education
Primary Geography
Dramatization
Public School Music

3rd Summer School	4th Summer School
Principles Elementary Education	Educational Sociology
Primary Number	Primary Class Observation
Silent Reading	Primary History
Physical Education	Physical Education

C. PROGRESSIVE PROGRAM OF STUDY TO CONVERT AN ELEMENTARY B CERTIFICATE INTO A GRAMMAR GRADE C CERTIFICATE. (Eight Summer Schools of six weeks, or four of twelve weeks).

1. *First Step:* *From Elementary B to Elementary A*
Four Summer Schools of six weeks, or two of twelve weeks.
For Work in Upper Grades

1st Summer School	2nd Summer School
Story Telling	English Grammar
Grammar Grade Reading	Principles of Geog.
Health	Educational Psychology
Writing	Writing

3rd Summer School	4th Summer School
English Composition	English Composition
Child Psychology	Class Management
Nature Study (Plants)	Nature Study (Plants)
Drawing—Fundamentals	Grammar Grade Drawing

2. *Second Step:* *From Elementary A to Grammar Grade C*
Four Summer Schools of six weeks, or two of twelve weeks
For Work in Upper Grades

1st Summer School	2nd Summer School
Tests and Measurements	History of Education
Teaching of G. G. Lang.	Teaching Arithmetic
Juvenile Lit.	U. S. History
Public School Music	Music

3rd Summer School	4th Summer School
Principles of Elem. Education	Educational Sociology
Teaching Geog.	N. C. History
Elem. Science	Grammar Grade Class Observation
Physical Ed.	Physical Education

NOTE. All courses outlined below will be given in the first term of

the Summer School, and all for which there is sufficient demand will be repeated in the second term, except the courses in Class Observation. The Demonstration School will be in operation during the first term only.

ART

(See under School Arts).

DRAWING

(See under School Arts).

EDUCATION

N 1. GENERAL METHODS IN PRIMARY SCHOOL SUBJECTS.
MISS EDMONDSON. Credit, each section, 1 hour. N.
Each section, five hours a week.

This course will be given in three sections, as indicated below. The work of all three sections comprises a study of the subjects taught in the primary grades (1, 2, and 3). The content of the subjects, as well as methods of teaching them, will be given attention. The work will, however, be varied in each section to meet the needs of the students for whom the section is intended. Students should consult the Supervisor of Normal Instruction before deciding which of the sections to enter.

DIVISION I.—MISS EDMONDSON.

This section is intended for teachers who have had little or no professional training. The work will be of an elementary nature. The subject matter for each grade will be outlined and effective methods for presenting the material will be given. The course will be developed in connection with observation in the demonstration classes.

DIVISION II.—MISS EDMONDSON.

This section is intended for teachers in *country* schools who have had such professional training as is to be gained in teachers' training schools, educational courses in normal schools or colleges, etc. This course will deal with methods of teaching various subjects in the primary grades; types of lesson; supplementary material; critical study of state adopted books; standards for each grade required by state course of study. Lectures, readings, observations, discussions.

DIVISION III.—MISS BEUST.

This section is intended primarily for high school graduates

without experience and without professional training who are preparing to teach in the country schools. The work will be of an elementary nature. The subject matter for each grade will be outlined and effective methods for presenting the material will be given. The course will be developed in connection with observation in the demonstration classes.

N 2. PRIMARY READING.
MISS BEUST. Credit, 1 hour. N.
Five hours a week.

The teaching of reading in the first three grades. Lectures, assigned readings, discussions, and observation in the Demonstration School.

N 3. THE TECHNIQUE OF TEACHING.
MISS ORR. Credit, 1 hour. N.
Five hours a week.

An observation course in the Demonstration School with a view to improving teaching technique. It will include a few preliminary lessons by way of preparing the student for accurate and critical observation; twenty or more periods of observation in the Demonstration School; and a few lessons at the close of the course for the purpose of summary and organization. Assigned readings, discussions, and reports throughout the course.

In order to be admitted to this course, the applicant must at the time of registration, secure the approval of the Supervisor of Normal Instruction. Registration will be limited to 30 students to the section. The course will be conducted in two divisions, as follows:

DIVISION I. (Two Sections, A and B)—For teachers of Primary Grades.

DIVISION II. For teachers of Grammar Grades.

N 4. HISTORY OF EDUCATION.
MR. BAKER. Credit, 1 hour. N.
Five hours a week.

An elementary course in the history of education designed to give the teacher some understanding of the nature and function of the public school as an agency for social progress; its relation to other social agencies; and in what ways it should be adapted to the needs of modern life.

N 5. CHILD STUDY.
MISS EDMONDSON. Credit, 1 hour. N.
Five hours a week.

An introductory course in some of the more elementary aspects of child psychology. Individual differences and similarities of children; their interests, activities, and social needs will receive especial consideration.

N 6. STORY TELLING.

MISS MASSELING AND ASSISTANT. Credit, each section, 1 hour. N. *Each section, five hours a week.*

The courses in this subject include a study of children's literature, lectures and instruction in the art of story telling, the use of the story in education, the selection and adaptation of stories and their correlation with other educational subjects. The work embraces intensive study in types of fairy and folk tales, myths, fables, nature stories, humorous tales, rhymes and poems for children, hero and patriotic stories, Bible stories and the great national epics and their uses. Parallel readings will be assigned and much practice given in dramatizing and telling stories and correlating them with the formal work of the class room. Suggestive lists of stories for different grades have been prepared, and programs for special occasions have been arranged. This course will be taught in two general sections for primary and grammar grade teachers, with special group meetings in each section for individual practice and criticism.

DIVISION I. Story Telling in Primary Grades.
For teachers of first, second and third grades.

DIVISION II. Story Telling in Grammar Grades.
For teachers of fourth, fifth, sixth and seventh grades.
Special group meetings in each section.

N 7. PHYSICAL EDUCATION.

MISS MASSELING AND ASSISTANT. Credit, each section, 1 hour. N. *Each section, five hours a week.*

The courses in this subject embrace both formal and informal work. They consist of lectures on hygiene and sanitation and remediable defects of school children; formal drills arranged for graded classes; instruction in physical exercises, tactics, games, folk dancing, and playground activities. The active work will be supplemented by assigned readings. The courses will be given in two classes—a class for primary teachers and a class for grammar grade teachers. A program of folk dances, drills, competitive games, and other athletic exercises demonstrating the work of the department will be given on Field Day.

DIVISION I. Physical Education in Primary Grades.
For teachers of first, second and third grades.

DIVISION II. Physical Education in Grammar Grades.
For teachers of fourth, fifth, sixth and seventh grades.

N 8. CLASS MANAGEMENT.
MR. GRIFFIN. Credit, 1 hour. N.
Five hours a week.

The problems of handling the class in such matters as routine and discipline, promotion, conduct of the recitation, etc., will be considered. This course will be given in two sections, I and II.

N 9. TESTS AND MEASUREMENTS FOR ELEMENTARY GRADES.
MR. NOBLE, JR. Credit, 1 hour. N.
Five hours a week.

This course is intended for teachers in elementary grades who desire a definite and specific basis upon which to form their judgment concerning the classroom work of pupils. It will consider questions of giving, scoring, tabulating, and interpreting the standard tests and measurements which have to do with classroom products in the elementary school.

ENGLISH

N 1. LANGUAGE IN THE GRADES.
MISS SHEEHAN. Credit, 1 hour. N.
Five hours a week.

This course will deal primarily with the types of language work in the grammar grades and with the choice of subject matter for the course of study. In addition such topics will be discussed as: minimum essentials; vocational guidance through the language lesson; the correlation of language with other subjects. Lectures, parallel reading, class discussions, lesson plans and observation in the demonstration school.

N 2. LITERATURE IN THE GRADES.
MISS SHEEHAN. Credit, 1 hour. N.
Five hours a week.

This course aims to contribute to the literature background of the teacher and to work out a literature course for the grades. Among the topics discussed will be: the specific aims of literature; choice of literature; method of treatment; home reading; literature and

citizenship. Detailed plans for teaching type selections in each grade will be worked out. Lectures, parallel reading, class discussions, lesson plans and observation in the demonstration school.

N 3. METHODS OF TEACHING ENGLISH IN THE GRADES.
MISS SHEEHAN. Credit, 1 hour. N.
Five hours a week.

This course will deal with actual methods of teaching oral and written English, literature and grammar. The general problem of study and the special problems of the English teacher will be considered. Other topics for discussion will be: devices; the use of dramatics in the English lesson; supervised study in English; projects. Lectures, parallel reading, class discussions, lesson plans and observation in the demonstration school.

GEOGRAPHY

N 1. ELEMENTARY GEOGRAPHY.
MISS CARNEY. Credit, 1 hour. N.
Five hours a week.

A review course in geography, with special attention to local or home geography and projects suitable for primary and intermediate grades. Incidental discussion of methods of teaching geography.

N 2. THE TEACHING OF GEOGRAPHY.
MR NOBLE, SR. Credit, 1 hour. N.
Five hours a week.

This is a course in the teaching of geography in the grammar grades. One purpose of the course will be to show how to observe the influence of geographic laws while teaching local, state and national geography. The effect of geography upon history in North Carolina and the nation will be carefully studied. Lectures, assigned work, parallel readings, the preparation of lesson plans, etc.

HISTORY

N 1. A REVIEW COURSE IN HISTORY.
MISS CARNEY. Credit, 1 hour. N.
Five hours a week.

A review course in American history, with special emphasis on the economic development of the country. Incidental discussion of methods in teaching history in primary and intermediate grades.

N 2. THE TEACHING OF HISTORY IN THE GRADES.
MISS CARNEY. Credit, 1 hour. N.
Five hours a week.

This course will deal primarily with methods of teaching history in the elementary grades, and secondarily with the choice of subject matter for the course of study. Lectures, assigned readings, lesson plans, and observation in the demonstration classes.

N 3. ELEMENTARY SOCIAL PROBLEMS.
MISS CARNEY. Credit, 1 hour. N.
Five hours a week.

An introduction to the study of social problems of present-day American life, and the relation of education to these problems.

MATHEMATICS

N 1. ARITHMETIC.
MR. SHEEP. Credit, 1 hour. N.
Five hours a week.

Lectures and assigned work, including the fundamental operations, fractions, percentage, interest, ratio and proportion, mensuration, etc.

N 2. THE TEACHING OF ARITHMETIC.
MR. SHEEP. Credit, 1 hour. N.
Five hours a week.

This is a course in methods of teaching arithmetic in the grammar grades. An effort will be made to discover in concrete examples the "four fundamental rules" of arithmetic and also the best method of applying those rules in the problems of everyday affairs. Lectures, assigned work, parallel readings, the preparation of lesson plans, etc.

PHYSICAL EDUCATION

(See Also Education N7, above)

N 1. SWIMMING. (For Women).
MRS. R. B. LAWSON. Credit, 1 hour. N.
Five hours a week.

This course will be given in four sections as follows:

Section I—10:00 A. M.
Section II—11:30 A. M.
Section III— 2:15 P. M.
Section IV— 3:00 P. M.

Students registering for this course will supply their own bathing suits which must be solid fast color. Stockings and shoes are not

necessary. One piece suit preferred (Annette Kellerman). Each student using the swimming pool will be charged a fee of $3.00 for the term of six weeks.

N 2. INDOOR BASEBALL. (For Women).
DR. R. B. LAWSON. Credit, 1 hour. N.
Five hours a week.

Short talks covering the entire subject of offensive and defensive play. Batting, fielding and running followed by actual team play. Text: Frost and Wardlaw.

A fee of 50 cents will be charged each student registering for this course to cover the cost of equipment used. Regulation uniforms are compulsory, consisting of middy blouse, bloomers and tennis shoes.

N 3. BASKETBALL. (For Women).
DR. R. B. LAWSON. Credit, 1 hour. N.
Five hours a week.

Registration in this course will be limited to forty pupils. It is designed especially for teachers who are coaching girls in basketball. It embraces catching, passing, guarding, shooting and team play. Text: Frost and Wardlaw.

A fee of 50 cents will be charged each student registering for this course to cover the cost of equipment used. Regulation uniforms are compulsory, consisting of middy blouse, bloomers and tennis shoes.

SCHOOL ARTS

Introductory Statement.—In the following courses the development of taste is not less important than the acquisition of skill in expression. Attention will therefore be directed toward making the courses given in Art closely related to the interests of the students. The subject of Design will be developed through problems drawn from attractive topics that will stimulate the imagination, arouse latent ideas, develop original thought, strengthen judgment and acquire power to express one's self through the materials employed by the teacher of school arts. The technique of all mediums is taught. Individual criticism is given and all students are required to do the work assigned.

N 1. DRAWING FOR PRIMARY GRADES.
MRS. SEASE, Sec. I: 10:00. Credit, 1 hour. N.
MISS DIETZ, Sec. II: 11:30. *Five hours a week.*

Practical instruction for teachers of first, second and third grades. Aim: Development of definite sense perception of laws of beauty, observation, color and creative power. Study of general principles of designing, space filling and line harmony. The topics familiar to the drawing teacher of modern schools are treated—landscapes, plants, life, still life, principles of perspective, of industrial drawing and color harmony. Materials used: paper, scissors, charcoal, pencil, Japanese brush, ink, water colors, tempera. (Cost of materials about $3.00).

N 2. DRAWING FOR GRAMMAR GRADES.
MRS. SEASE, Sec. I: 9:00. Credit, 1 hour. N.
MISS DIETZ, Sec. II: 8:00. *Five hours a week.*

A general course for teachers of the fourth, fifth, sixth and seventh grades, who wish to teach the principles of design applicable to textlies, costuming, interior decoration, block printing, advertisements, illustrations and posters. All technical work will be preceded or followed by conversational lessons and supplementary reading connecting the problems in a vital way with the student's need. (Cost of materials, about $5.00).

N 3. ART-CRAFTS FOR HIGH SCHOOL TEACHERS.
MRS. SEASE AND MISS DIETZ. Credit, 1 hour. N. *Five hours a week.*

Outlined especially for those who will teach art in high schools. Practical work in design, drawing, painting and art-crafts. The study of methods for different types of schools. Fine arts in relation to other departments of the school, the home, the community. Written reports, lesson plans, courses of study. Demonstrations of teaching, discussions, Criticisms. Practice teaching. (Cost of materials, about $5.00).

N 4. INDUSTRIAL ART.
MRS. SEASE AND MISS DIETZ. Credit, 1 hour. N. *Five hours a week. 12:30.*

A general course in hand craft work, designed especially for teachers of all grades. Instruction is offered in weaving; clay modeling; block printing; book binding; printing; construction of toys; batik; tie-dye work; leather work; wax modeling; stenciling, and reliefo. (Cost of materials approximately $10.00 dollars).

SOCIAL STUDIES

(See History N3 above).

WRITING

N 1. FREE-ARM MOVEMENT.

MISS JONES. Credit, 1 hour. N.
Five hours a week.

Practical instruction in free-arm movement writing; drills, lectures, type lessons for primary, intermediate, and grammar grades. The course offered is planned to make better teachers of writing; hence, there will be two definite aims in view: (1) to improve the handwriting of those taking the course, and (2) to study the best methods to be used in teaching children to write. The course should be helpful to teachers, no matter what system they teach, as the instruction will be along broad lines, and principles rather than systems will be emphasized. At least thirty minutes practice each day outside of class will be required.

Section I: 10:00.

Section II: 11:30.

N 2. PALMER METHOD WRITING.

MISS POORE. Credit, 1 hour. N.
Five hours a week.

Drill and instruction in muscular movement and the development and perfection of muscular movement writing. Method of teaching muscular movement writing as they relate to teacher and to pupils of all grades in the elementary schools. The eight essential steps and their stages freely discussed and demonstrated.

Section I: 8:00.

Section II: 9:00.

Section III: 12:30.

N 3. PALMER METHOD WRITING. (Advanced Course).

MISS POORE. Credit, 1 hour. N.
Five hours a week.

Advanced course with special object, the obtaining of Teachers' Certificates. Students eligible who have had previous summer course or its equivalent. *Consult instructor before registering for this course.*

Part IV—Special Features

A varied yet balanced program of instruction, entertainment, and recreation has been provided for both terms of the Summer School of 1923. General admission tickets for all the programs announced below will be given to all regularly registered students in the Summer School* without additional cost beyond the payment of the regular registration fees. Among the special features mention may be made of the following:

MUSICAL FEATURES

The program outlined below will be put on by the Summer School under the auspices of the Department of Music:

Special Lectures. Professor P. W. Dykema of the University of Wisconsin will deliver a series of special lectures and demonstrations on the relationship of community music to public school music; dates to be announced.

A series of special lectures and demonstrations on the study of music appreciation is being arranged and will be announced later.

The Summer School Chorus. As in preceding years, a chorus of selected voices will be formed at the beginning of the term which will rehearse daily and will present, with the assistance of soloists, programs during the latter part of the first term. This summer the chorus will present *The Golden Legend* by Sir Arthur Sullivan.

Community Sings. The entire body of students, faculty, and townspeople will join in Community sings at intervals during the session. These sings will be held out-of-doors, and will be of a recreational and inspirational character.

The Summer School Orchestra. All students who play orchestral instruments are urged to bring them to Chapel Hill

* This does not apply to students in the Law School and the School of Engineering.

and to play in the Summer School Orchestra. Simple material will be used, and the work should be of especial interest to those who are working with school orchestras.

Music Festival. A two-day music festival under the direction of Mr. Weaver to be given July 18th and 19th is one of the most attractive features of the summer school's program of entertainment. On the first evening the program will be given by the Summer School Chorus with the assistance of four artist soloists. Last year the Opera *Faust* was presented on this occasion, and two years ago the Opera *Il Trovatore.* The second night will be given to a recital by a visiting Artist. Last year Mme. Julia Claussen of the Metropolitan Grand Opera Company presented this program. Definite announcement of the details of the festival will be made at a later date.

Other Musical Attractions. Two recitals by visiting artists will be given during the first half of the summer session. There will be two faculty recitals given on Sunday afternoon during the session. These programs will be definitely announced at a later date.

JEWISH HISTORY AND LITERATURE

For several years the Jewish Chautauqua Society of America has been sending to the Summer School scholarly Rabbis to lecture on Jewish History and Literature. The lecturer who will deliver the series this year is Dr. Abraham A. Neuman of Philadelphia who will deliver three lectures. His dates are July 2, 3, and 5. Subjects to be announced later.

JULY 4: HOLIDAY—PATRIOTIC CELEBRATION

July 4th will be a holiday, but it will be made a profitable occasion for the students of the Summer School. In the forenoon a program of simple but impressive patriotic exercises will be carried out in which all students in the Summer School will participate.

INTERNATIONAL PEACE AND EDUCATION

Dr. Heinrich Bosshard of Zurich, Switzerland, will deliver a series of six lectures on *International Peace and Education.*

Dr. Bosshard will deliver one lecture each week during the first term of the Summer School. The subjects of his lectures will be:

1. Aims and Outcomes of War.
2. The Real Causes of War.
3. War and Peace in Democracy.
4. The Roads to Peace and the Prize for It.
5. Problems in Education.
6. Problems in Education. (Continued).

THE HISTORY OF LANGUAGE

Dr. E. C. Metzenthin, instructor in German in the University, will deliver a series of twelve lectures on the *History of Speech and Languages.* Dr. Metzenthin's lectures will include the following topics:

Theories on the origin of speech. Animal speech.

Attempts at classification of languages.

Characteristics of some languages outside of the Indo-European branch (Semitic, Chinese, American Indian).

The Indo-Europeans: Problems and theories in regard to their original home and their migrations.

The "Classical Languages."

The Romance Group, especially French.

The Germanic family: Gothic, Old Saxon, Anglo-Saxon (Old English), Old High German.

Development of the English language.

Phonetics, Linguistic Laws, Sound Shiftings. Etymology.

Methods of language teaching.

One lecture of this series will be delivered each week, and the course will extent through both terms of the Summer School.

THE DEVEREUX PLAYERS

The famous Devereux Players of New York City will appear before the Summer School in three performances in

July, the exact dates to be determined later. They will present one or two Shakespeare's plays and one or two of the best modern dramatic productions.

GAY MacLAREN

On August 8th Miss Gay MacLaren, a brilliant dramatic impersonator of New York City, will appear before the Summer School in one of her inimitable programs.

CAROLINA PLAYMAKERS

Late in August the Carolina Playmakers will present a program of three one-act plays written and previously presented by students in the Department of Dramatic Literature in the University.

DR. CHARLES ALPHONSO SMITH

Dr. Charles Alphonso Smith, head of the English Department in the United States Naval Academy, will deliver a series of five lectures, July 30th to August 3, inclusive. Dr. Smith's subjects will be:

1. English as a World Language.
2. The Ministry of Literature.
3. The Bible in Shakespeare.
4. The American Short Story.
5. O. Henry.

SOCIAL EVENING

Each Saturday evening while the Summer School is in session two programs of entertainment will be provided—one at the Gymnasium under the direction and supervision of the Committee on Social Activities, and one in Gerrard Hall or Memorial Hall under the direction of the Y. W. C. A.